

20010405.qrp v02_n150.qrl.20010405

Date: Thu, 5 Apr 2001 19:03:09 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2150

QRP-L Digest 2150

Topics covered in this issue include:

- 1) [95673] fox stuff...
by Jeff Stai WK6I <jstai@home.com>
- 2) [95674] Classic QRP Kits For Sale!
by KC4FKX@aol.com
- 3) [95675] Re: fox stuff...
by Larry Cahoon <lejek@erols.com>
- 4) [95676] Re: FOX: Pelts on the wall
by "Gary O. Lyons" <drgary@urx.com>
- 5) [95677] Classic QRP Kits For Sale!
by KC4FKX@aol.com
- 6) [95678] Rainbow Tuner Sold in Less than 2 Minutes!
by KC4FKX@aol.com
- 7) [95679] Re: fox stuff...
by Jeff Stai WK6I <jstai@home.com>
- 8) [95680] Internal Resistance - Microammeter
by SMurph555@aol.com
- 9) [95681] Re: fox stuff...
by Dave Sjolin <sjolin@swbell.net>
- 10) [95682] WA7SPY Extreme Cub Fox Hunt Final Log
by "Glenn Maclean" <glennmaclean@ix.netcom.com>
- 11) [95683] OPERATING - Scout Snipe Hunt
by n5ib@juno.com
- 12) [95684] Re: Receiver measures in QST product reviews
by "Steve Yates, AA5TB" <aa5tb@arrl.net>
- 13) [95685] MFJ-941E trouble. new out of box help.
by "Kelly Ellison" <kelman@dialnet.net>
- 14) [95686] Re: MFJ-941E trouble. new out of box help.
by K4IA@aol.com
- 15) [95687] (no subject)
by Thomas Jennings <jennings@eznet.net>
- 16) [95688] FOX: Confession/Mistake by K2Q0
by "Mark S. Adams, P.E." <msadams@acsu.buffalo.edu>
- 17) [95689] XFOX Hunt
by Fred Lesnick <flesnick@tbaytel.net>
- 18) [95690] Xtreme Fox and UTC
by "Bob Hightower" <nk7m@extremezone.com>
- 19) [95691] FYBO 2001 Results - Correction

- by "Bob Hightower" <nk7m@extremezone.com>
- 20) [95692] K1/K2 mojo @ 49,978 miles per watt
by K4IA@aol.com
- 21) [95693] K2/K1 Mojo 49,978 miles per watt
by K4IA@aol.com
- 22) [95694] K0EVZ Xtreme FOX Hunt Log
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 23) [95695] OP: QSL via cba?
by Lee Hopper <leehop@qwest.net>
- 24) [95696] Help Please
by "Kevin Nathan" <k7rx@uswest.net>
- 25) [95697] Re: OP: QSL via cba?
by Garie Halstead <k8kfj@ntelos.net>
- 26) [95698] Re: MFJ-941E trouble. new out of box help.
by Russ Dow <n7dw@pacbell.net>
- 27) [95699] Re: Xtreme Fox and UTC
by Russ Dow <n7dw@pacbell.net>
- 28) [95700] Electronics Software
by "Dave Fifield" <ad6a@earthlink.net>
- 29) [95701] Re: MFJ-941E trouble. new out of box help.
by "Pastor-KC1DI" <elbc@pivot.net>
- 30) [95702] Cheap (free) batteries
by Bill Lazure <n2tpa@juno.com>
- 31) [95703] RS WWVB clock on sale \$20
by Peter_Simpson@ne.3com.com
- 32) [95704] Antennas, trees, and mating the two...
by "John Nall" <nally@talstar.com>
- 33) [95705] Re: Xtreme Fox and UTC
by Fred Lesnick <flesnick@tbaytel.net>
- 34) [95706] WWVH @11:51 z (Apr 5/01)
by Fred Lesnick <flesnick@tbaytel.net>
- 35) [95707] homepage.com troubles
by Fred Lesnick <flesnick@tbaytel.net>
- 36) [95708] Re: OP: QSL via cba?
by Lee Hopper <leehop@qwest.net>
- 37) [95709] MFJ 941-E
by hamjoel@juno.com
- 38) [95710] Thanks to you QRP/Computer Gurus
by George Franklin <w0av@juno.com>
- 39) [95711] [CONTEST] QRP Contest Calendar - 4/7 to 4/30
by Ken Newman <N2CQ@citnet.com>
- 40) [95712] Extreme Cub Hunt: N0IT Preliminary Log
by Dave Sjolin <sjolin@swbell.net>
- 41) [95713] Re: Antennas, trees, and mating the two...
by "Hugo W. Catta" <hugo@optonline.net>
- 42) [95714] What is IP3 telling me?
by John R Kirby <n3aaz-qrp@juno.com>
- 43) [95715] 10M Intruder QRM - The good News

[illegible]

- by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 68) [95740] Re: Devil's Tower
by tailfeathers@juno.com
- 69) [95741] RE: Simple IP3/MDS stuff
by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
- 70) [95742] Announcing the 2001 FLIGHT OF THE BUMBLEBEES
by Russ Carpenter <russ@natworld.com>
- 71) [95743] Results of the APRIL SPARTAN SPRINT
by Russ Carpenter <russ@natworld.com>
- 72) [95744] RE: Antennas, trees, and mating the two...
by Pete Burbank <plburbank@kih.net>
- 73) [95745] Poor Sad 15 meters Re: Results of the APRIL SPARTAN SPRINT
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 74) [95746] Ft. Tuthill 2001 (3 miles south of Flagstaff, AZ)
by jaywa5whn@juno.com
- 75) [95747] QRP FOR SALE
by <bpwebb@mastnet.net>
- 76) [95748] Looking for QRP AMP
by MITCHELLRI@aol.com
- 77) [95749] AL7FS to operate at KL7Y Monster Station April 7, Saturday
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 78) [95750] PIXIE: Broadcast interference
by John Wagner <john@neknetwork.com>
- 79) [95751] Re: Cheap (free) batteries
by KB90CE@aol.com
- 80) [95752] Re: What is IP3 telling me?
by "Russ Hines" <radioruss@fuse.net>
- 81) [95753] Re: Receiver measures in QST product reviews
by "Tom K" <kkleiner@megsinet.net>
- 82) [95754] Re: Antennas, trees, and mating the two...
by "John Nall" <nally@talstar.com>

Date: Wed, 04 Apr 2001 16:33:28 -0700
From: Jeff Stai WK6I <jstai@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [95673] fox stuff...
Message-ID: <3ACBAF48.83B0210@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

hi - I have two observations about the recent extreme foxhunt:

1. Because the hunt was scheduled an hour earlier UTC, we were dealing with daylight propagation on 40m for at least half the country. The

farthest east I could hear at 0115Z was a W0 in C0, and he could not hear me, apparently. It was still a bright sunny day here at 0100Z. Perhaps this had as much to do with the "challenging" propagation as did the flares....?

2. For most of us, even in the third millenium, 6PM local time is still the dinner hour. I can often excuse myself from wife and kids by about 730PM local, which is how I could participate at all in the regular hunts (and explains why I am always the last in the log ;-). A two hour event is almost impossible - this time I needed to leave at 620PM local to go to dinner with the family. It's really hard to take part in these events that always start at 6PM local. I do understand that we start when we do so that the east coast can participate, but this timing would seem to guarantee the non-participation of west coasters with families. (or am I the only one?)

On point #2, I can easily imagine that I am not the first to raise this issue... but I am wondering if there was any interest in mixing up the times a little? If so, I would be glad to help in any way I could to make it happen! (What about an occasional "night owl hunt"? If the Pigs can fly after the Fox, perhaps the Owl can hoot after the Fox?-)

thanks very much for at least listening to my rant... - jeff wk6i

--

jeff stai
radio stuff: WK6I in DM13
rocket stuff: NAR #21059 TRA #3356 Level 2 Cert.
email: jstai@home.com or wk6i@arrl.net
ROC web page: <http://www.rocstock.org/>
LDRS web page: <http://www.ldr20.org/>

Date: Wed, 4 Apr 2001 20:20:47 EDT
From: KC4FKX@aol.com
To: qrp-l@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [95674] Classic QRP Kits For Sale!
Message-ID: <20.145f44e1.27fd145f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Fellow QRP's (Qwerps!)

A number of you have e-mailed me and asked if I had certain kits for sale. Please understand that I am finally getting around to unpacking these items from a recent move and am not sure of everything I have to offer. I want to

make sure I can actually put my hands on the kits before I offer them. I know I have them...just not sure of everything packed away in the various boxes.

I'm off to unpack another box now and will return shortly with the announcement of another kit. I know that some of the kits are real gems and many of you may really want what is being offered so please be patient with me.

Thanks, Frank
Rocky Mount, NC

Date: Thu, 05 Apr 2001 00:22:52 +0100
From: Larry Cahoon <lejek@erols.com>
To: jstai@home.com, qrp-l@lehigh.edu
Subject: [95675] Re: fox stuff...
Message-ID: <5.0.2.1.0.20010405000406.009fc460@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>
> >1. Because the hunt was scheduled an hour earlier UTC, we were dealing
> with daylight propagation >on 40m for at least half the country. The
>
> >2. For most of us, even in the third millenium, 6PM local time is
> still the dinner hour. I can often excuse myself from wife and kids

Jeff - No ill will intended but there is just no good time for a two hour event that can serve both coasts well. To me that is just the reality of trying to span three or more time zones on a work night.

An event that starts at 6 pm west coast is 9 pm on the east coast. I'm up around 5:30 to get to work - that means I should be in the sack by 10 pm - that is 7 pm your time. So the best I can go is get in on the start of the event. I don't think an event should start as early as 5 pm or end as late as 11 pm. But it can't be avoided.

We will have the same problems of propagation for the 20 meter fox hunts that have been talked about. The sun sets here by 9pm during the summer - that is 6 pm west coast time. So to make the schedule reasonable for the west coast the east coast has to deal with the loss of propagation. If we fix that for the east coast a lot of guys on the west coast won't be home from work yet.

For the ARS event Monday night I(played for the fist half hour and called it a night. I can't do much better than that.

In the end I let the organizers set the times and then make my choices for what I'm going to do. As it is I did none of the foxhunts this year at least in part because of the timing. I don't begrudge anyone for that. It was the choice I made.

73 de Larry.....WD3P in MD

Date: Wed, 4 Apr 2001 17:26:58 -0700
From: "Gary O. Lyons" <drgary@urx.com>
To: <qrp-1@Lehigh.EDU>
Subject: [95676] Re: FOX: Pelts on the wall
Message-ID: <000101c0bd67\$21431720\$1ad56bce@G_Lyons>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="utf-8"
Content-Transfer-Encoding: 7bit

Greetings Gang,

I need to modify my pelt tally to 12 fox pelts and 0 cub pelts for a total of 12.

Gary K7KY

Date: Wed, 4 Apr 2001 20:44:14 EDT
From: KC4FKX@aol.com
To: qrp-1@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [95677] Classic QRP Kits For Sale!
Message-ID: <68.d7c3a64.27fd19de@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

OK...Here We Go Again!

I just found (forgot I had one) a "Rainbow Tuner" Kit!

Each page of the manual is in a plastic page protector and bound in a folder.

\$25 plus \$4 shipping will get this kit delivered to your doorstep via Priority Mail anywhere in the 48.

Frank, KC4FKX
Rocky Mount, NC

Date: Wed, 4 Apr 2001 20:52:52 EDT
From: KC4FKX@aol.com
To: qrp-1@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [95678] Rainbow Tuner Sold in Less than 2 Minutes!
Message-ID: <12.b18cfa4.27fd1be4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Whew!!!....you guys are getting faster!

Congratulations to N4NMR, Michael Bower

Your kit will be in the mail in the morning!

Frank, KC4FKX
Rocky Mount, NC

Date: Wed, 04 Apr 2001 18:01:53 -0700
From: Jeff Stai WK6I <jstai@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [95679] Re: fox stuff...
Message-ID: <3ACBC401.562FDBB3@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Larry Cahoon wrote:

>
> >
> > >1. Because the hunt was scheduled an hour earlier UTC, we were dealing
> > with daylight propagation >on 40m for at least half the country. The
> >
> >2. For most of us, even in the third millenium, 6PM local time is
> >still the dinner hour. I can often excuse myself from wife and kids
>
> Jeff - No ill will intended but there is just no good time for a two hour

> event that can serve both coasts well. To me that is just the reality of
> trying to span three or more time zones on a work night.

Larry - I tried to make clear I understood all that - what I am suggesting is that we mix up the times a little, which could have the following interesting effects:

1. Varying the times means we get to experience propagation at other times.
2. Varying the times means that folks who can seldom participate within a certain window now have a chance to find a time that works for them.

I'd be willing to help make a later event happen, if there is interest.
Maybe some kind of "Owl-Mouse" sort of thing...?

(And by the way, an earlier 3pm PDT event would also be easier for me - I can schedule work around radio much easier than I can schedule family!-).

all the best! - jeff wk6i

--

jeff stai
radio stuff: WK6I in DM13
rocket stuff: NAR #21059 TRA #3356 Level 2 Cert.
email: jstai@home.com or wk6i@arrl.net
ROC web page: <http://www.rocstock.org/>
LDRS web page: <http://www.ldr20.org/>

Date: Wed, 4 Apr 2001 21:02:09 EDT
From: SMurph555@aol.com
To: qrp-l@lehigh.edu
Subject: [95680] Internal Resistance - Microammeter
Message-ID: <a.b255fcd.27fd1e11@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi gang,

Does anyone have an idea of the internal resistance of a quality (D'Arsnoval) microammeter. I'm specifically interested in a 200 microampere movement. An approximate, or "on the order of" answer would be just fine.

Please respond to caljsi@aol.com Thanks for any guidance; yep, I know I can measure it.

72/73

Cal K4JSI

Date: Wed, 04 Apr 2001 20:12:43 -0500
From: Dave Sjolin <sjolin@swbell.net>
To: jstai@home.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [95681] Re: fox stuff...
Message-ID: <3ACBC68A.10F30FC4@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Jeff Stai WK6I wrote:

> 1. Because the hunt was scheduled an hour earlier UTC, we were dealing
> with daylight propagation on 40m for at least half the country. The
> farthest east I could hear at 0115Z was a W0 in CO, and he could not
> hear me, apparently. It was still a bright sunny day here at 0100Z.
> Perhaps this had as much to do with the "challenging" propagation as
> did the flares....?

Jeff, I think the band conditions had more to do with it. Last night during the cub hunt I worked my first CA station (K6VNX) at 0130 utc. I worked my second (N6MM) seven minutes later. They were just as "strong" as the other stations I was working -- 559. I think the reason I had to go 30 minutes to work the first was related more to the activity down around 7040 than propagation but I could be wrong.

73 de Dave, N0IT

Date: Wed, 4 Apr 2001 19:03:26 -0700
From: "Glenn Maclean" <glennmaclean@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [95682] WA7SPY Extreme Cub Fox Hunt Final Log
Message-ID: <000f01c0bd74\$9aaf2740\$6501a8c0@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ok here is my final log from the Tuesday night April 3, 2001 Extreme Cub Fox Hunt. I look forward to the summer hunt and Thanks again to all of the hounds for your patience with me as a new cub fox this past winter. I had a blast! Thanks to the Fox Hunt Committee for all of their efforts and for putting the hunts on.

Glenn Maclean WA7SPY
Sacramento, CA

Time	Call	RST	ST/PR	Name	PWR
01:06	K6VNX	559	CA	Arlen	5W
01:09	K7FD	579	OR	John	5W
01:11	N6MM	589	CA	Harvey	5W
01:13	W4NJK	559	CA	Charlie	5W
01:16	KB7WW	559	OR	Art	5W
01:18	WK6I	559	CA	Jeff	5W
01:23	KJ6H	559	CA	Tod	5W
01:34	KE6RS	599	CA	Ron	3W
01:40	W6ROC	599	CA	Tony	35W
01:48	KG6ELY	599	CA	Ron	1W
02:05	AA7XA	599	OR	Frank	5W
02:06	W0CH	559	MO	Dave	5W
02:10	W5USJ	439	TX	Chuck	3W
02:15	KG6CYN	559	CA	Trev	2W
02:18	KI0II	599	CO	Ron	5W
02:20	W6ABC	599	CA	Jack	5W
02:28	VA6RF	559	AB	Earl	5W
02:33	AC5JH	559	OK	Tom	5W
02:36	W3CD	599	CA	Bob	5W
02:41	KC7ZMN	579	WA	Guy	5W
02:48	KC0GXX	339	NE	Tom	5W
02:51	K5DW	459	TX	Don	5W
Cub Fox	WA7SPY		CA	Glenn	5W

Date: Wed, 04 Apr 2001 22:18:04 EDT
From: n5ib@juno.com
To: qrp-1@Lehigh.edu
Subject: [95683] OPERATING - Scout Snipe Hunt
Message-ID: <20010404.211734.4655.5.n5ib@juno.com>

Here's the promised reprise of the Snipe Hunt announcement.....

-----snip-----

Well gang, after the big Tuesday nite EXtreme FOXhunt, if FOX withdrawal really starts to set in hard, how about easing your pain by helping me out with the Boy Scout Camporee and joining in an old fashioned Snipe Hunt.

You recall those, where you would send the new Tenderfoot out in a field in the dead of night with a paper sack to wait for the rest of the group to "drive the snipes" to him..... you all know how this plays out.....

So, on April 7 0200 Z (or USA date April 6, 9 pm CDT) on or near the FOX calling frequency (7042 +/-) N5IB will call CQ SNP or SNP de N5IB and try to work as many of you as I can, a la Fox Hunt, while the Scouts at Avondale Scout Reservation (Louisiana) can visit. I'll go at least an hour, up to two if there's still action. Let's see how many states you can feed me to impress the boys. The next morning we teach them some code.

Exchange will be: RST SPC NAME Scoutrank PWR

I'll be sending RST LA JIM 2C/SL 5W

Rig will be a K-2, I'll use RIT only if needed, otherwise OK to call me spot on.

Where Scoutrank is the highest rank you achieved in Scouting, lets abbreviate like this

CV - civilian, was never in Scouting

CUB - Cub Scouts

TF - Tenderfoot

2C - Second Class (that was me - couldn't swim a stroke)

1C - First class

STAR

LIFE

EAGLE - if you made Eagle, append the year e.g. EAGLE/72

If you later became, or are now, a scout leader, append /SL to your rank. If you were Order of the Arrow, append /OA if you are a real Scout VIP and are Silver Beaver, append /SB

Now, YL's don't worry, send your Girl Scout rank instead, and add /GSL if you're a GS leader or /SL if you're in a Cub or Boy Scout leadership role.

I'll post a log to the list and make special QSL's with a picture of the elusive critter for all that want's 'em 'cause they never caught one back then :^))

Now, gang, get on the radio and work me. PLEEEEEZZE don't leave me out alone in the dark in that field with that stupid paper sack.....**again**

72

Jim N5IB

Cubmaster, Ret.; Second Class Scout; SOC #159

see - second class fits me well :^))

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 04 Apr 2001 21:30:09 -0700

From: "Steve Yates, AA5TB" <aa5tb@arrl.net>

To: QRP-L Distribute <qrp-l@Lehigh.EDU>

Subject: [95684] Re: Receiver measures in QST product reviews

Message-ID: <004701c0bd89\$1a8273a0\$21713ed8@pavilion>

MIME-version: 1.0

Content-type: text/plain; charset="iso-8859-1"

Content-transfer-encoding: 7bit

Hi Marty,

Whenever two or more signals are present in any device that can go non-linear, a multitude of intermodulation products are possible. This is common when using a hand-held transceiver on 2m or 70cm with a large outside antenna for instance. For receiver performance measurements the 3rd order intercept point is a common standard of measurement of intermodulation product susceptibility and is easily detectable since its amplitude increases about three times as fast as the input signals. In other words, a 1dB increase in the input signals increases the 3rd order product generally by 3dB. If f_1 and f_2 were the two signals at the input of the receiver, then a 3rd order product would be $2f_1 - f_2$ for example. If you were to plot the amplitude of the input signal versus the amplitude of the 3rd order product, the 3rd order product will have a much greater slope. If you were to keep increasing the amplitude theoretically at some point the two lines would intercept each other although in real life at some point you will run into compression and the signals will roll off. For this reason this point usually can't really be reached. It is normal practice to continue to plot this data as far as you can go and simply continue the sloped lines manually until they intersect. This intersection is the 3rd order intercept point. The higher the 3rd order intercept point, the better the receiver (or device) is able to handle strong multiple signals before intermodulation becomes noticeable.

The fact that many of the intermodulation products increase at 2 or 3 times the amplitude of the input signals (depends on the particular product) can be used to advantage. For example, if your 2m FM rig has a problem with intermodulation when driving downtown, 3dB of attenuation will decrease most of these products by a factor much greater than 3dB (6 or 9dB, etc.)

although the desired signal will decrease only by the 3dB. Hence the reason many communications receivers have a switchable input attenuator available. Hence also the reason the pre-amplifiers built into many of the commercial VHF/UHF amplifiers are really a hindrance to good receiver performance and are there just to increase the selling price (personal beef, sorry).

Well Marty, I hope I made some sense.

73,
Steve Yates - AA5TB
Fort Worth, Texas
Grid Square: EM12gs
aa5tb@arrl.net
<http://www.geocities.com/aa5tb>

Date: Wed, 4 Apr 2001 21:35:05 -0500
From: "Kelly Ellison" <kelman@dialnet.net>
To: <qrp-l@lehigh.edu>
Subject: [95685] MFJ-941E trouble. new out of box help.
Message-ID: <00aa01c0bd79\$07ec6800\$d2cae0d8@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello all.

Just got a MFJ-941E tuner new and having trouble with it. Changing the inductor switch does not seem to change SWR much. I cannot get it to tune any antenna, any band. I have a MFJ-962C that tunes the same antennas with no problem. I opened it (941) up to look for anything obvious, but don't see anything. Got it to use with my FT-817. Anybody have similar experiences? Hoping I could fix it instead of sending it back to MFJ. Got it from Texas Towers.

Thanks, and see you at Arkiecon.

Kelly Ellison - WB0WQS QRP-L #702

Date: Wed, 4 Apr 2001 22:50:45 EDT
From: K4IA@aol.com

To: kelman@dialnet.net
Cc: qrp-1@lehigh.edu
Subject: [95686] Re: MFJ-941E trouble. new out of box help.
Message-ID: <bd.d2589ed.27fd3785@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Keep fiddling with it. I have one and the switching on the inductor can be tricky. When I first got it, I couldn't get it to work but then, all of a sudden I got the hang of it. It turned out to be a great tuner. Be patient and follow the guidelines in the manual -- but don't rely on them totally. It may take some experimentation.

Next time, buy from HRO. They will take it back if it is DOA.

Radio K4IA
Craig Buck
Fredericksburg, Virginia USA
QRP ARCI #2550 FISTS #6702 CC 788
K1 #470

For cheap long distance, 800#s and more
Tune to http://www.ld.net/?bucksavers

4.9 cents/min - no monthly fees

Date: Wed, 04 Apr 2001 22:55:19 -0400
From: Thomas Jennings <jennings@eznet.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [95687] (no subject)
Message-ID: <3ACBDE97.12526BAB@eznet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,
Please take a look and let me know if any
mistakes.
Thanks es 73

Tom kv2x

Time	Call	RPT	SPC	Name	PWR
101	K5NZ	559	TX	MIKE	3W
102	K2TER	599	NY	BILL	1W

103	N5ET	559	TX	BOB	5W
104	AC5JH	559	OK	TOM	5W
104	W8DIZ	559	OH	DIZ	5W
106	W9XU	559	MI	LON	5W
106	WA5OJE	559	TX	ANN	5W
107	VA3UX	569	ONT	PHIL	4W
108	WA9TZE	559	WI	JIM	5W
109	KK5LD	559	TX	DAN	5W
112	K8CV	559	MI	WALT	5W
117	K4BYF	559	FL	JACK	5W
118	N1LN	569	TX	BRUCE	5W
119	K8KFJ	559	WV	GARY	5W
122	NK9G	559	WI	RICK	5W
125	W5SB	559	TX	BILL	5W
131	K10J	559	TX	OJ	5W
136	WA9TZE	559	WI	JIM	5W
139	WD3P	559	MD	GARY	5W
149	N6MM	559	CA	HARVY	5W
153	NQ7X	559	AZ	FLOYD	5W
157	KF0N	559	IA	BILLY	2W
159	AB8DF	559	MI	ED	5W
200	W5YR	559	TX	GEORGE	5W
202	W2XN	559	FL	FRED	5W
205	W0JOE	559	MO	JOE	5W
206	K5ZTY	559	TX	BILL	5W
208	KM1Z	579	VT	FRAN	5W
209	KI0II	559	CO	RON	5W
210	WV9N	559	OH	RANDY	5W
213	NU8S	559	OH	DENNIS	5W
219	KK5KD	559	TX	DAN	5W
220	AK7Y	599	AZ	GREG	5W
221	K6VNX	559	CA	ARLEN	5W
238	AA3UR	559	PA	DAVE	2W
253	WS4S	559	TN	CONARD	5W
254	N10DL	559	NH	ARON	3W
256	K2Q0	559	NY	MARK	5W
258	KA1DDB	559	MI	MIKE	5W
259	K5AAR	559	OK	DON	5W

Date: Wed, 04 Apr 2001 22:58:16 -0400
 From: "Mark S. Adams, P.E." <msadams@acsu.buffalo.edu>
 To: qrp-l@lehigh.edu
 Subject: [95688] FOX: Confession/Mistake by K2Q0
 Message-ID: <2877585636.986425096@ubppp233-105.dialin.buffalo.edu>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Hi Gang,

I missed the rule about foxed not being allowed to work other foxes. So when things got slow at 15 minutes to the end, I used VFO B and wandered to snag 4 or 5 foxes. That brings my score down to 66 or so. Not bad for the black RF-hole here in WNY.

As for penance, I think I had better work three or more 2-way QRP contacts each day for the next week :-)

Mark S. Adams, P.E.
ARS: K2QO
Clarence, NY

Date: Wed, 04 Apr 2001 23:03:05 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [95689] XFOX Hunt
Message-ID: <3ACBE069.828CF394@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well guys thanks for all the support last night, was a rough one. The band was so noisy, and at 0235 z the band fell apart for me. I was parked near 7.123, and worked 26 hounds. I will post some time tomorrow.
Fred
VE3FAL

Date: Wed, 4 Apr 2001 20:45:16 -0700
From: "Bob Hightower" <nk7m@extremezone.com>
To: "qrp list" <qrp-l@lehigh.edu>
Subject: [95690] Xtreme Fox and UTC
Message-ID: <001501c0bd82\$d6031be0\$db127d3f@de11>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hmmmm...some of the foxii I got recorded times exactly one hour later than

my clock said, and some recorded the same time.

Some time conversion problems, maybe?

Bob NK7M

Date: Wed, 4 Apr 2001 20:49:57 -0700
From: "Bob Hightower" <nk7m@extremezone.com>
To: "qrp list" <qrp-l@lehigh.edu>, "elecraft list" <elecraft@qth.net>
Subject: [95691] FYBO 2001 Results - Correction
Message-ID: <002501c0bd83\$7c28fbc0\$db127d3f@de11>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am informed that K4FB was a multi-op station, so the corrected results appear below:

FYBO 2001 RESULTS
SINGLE OP CLASS
CALL QSO'S SCORE

W9XU 187 394944
N9AW 153 330480
N9NE 161 301392
NK9G 103 177984
W2AGN 53 59360
K6XX 79 58776
WD7Y 76 55936
N0TU 46 44160
K7TQ 41 26240
WD3P 31 22320
AA0B 23 22080
VE3ELA 23 18768
K9IUA 33 15840
K7RE 45 13500
K5OI 18 9504
K7BOD 39 9360
K2UD 19 9120
W3CD 34 8704
N3XRV 67 7772
W2RBA 12 6912
KI0KY 13 4160
K0CO 26 3744

W1QHG 12 3456
W1PID 9 3240
KV2X 10 3200
AB5XQ 14 2688
K0CO 26 2028
N7CEE 7 1568
N4FNG 58 1508
NK6A 34 1360
W9SUL 51 1224
K5DI 7 1008
AB8DF 27 972
NQ7X 46 966
AB70A 5 640
AL7FS 33 627
N4UY 27 459
W7/JR1NKN 5 400
KE6RS 10 360
WA5BDU 7 336
N4VBV 4 256
W3DP 14 126
N2CQ 6 36

MULTI-OP CLASS
CALL QSO'S SCORE REMARKS

WQ0RP 225 464400 OPS: AA0ZZ,K0PC,KB0R,N0AR,N0UR,W0UFO,N0HRL
N1BQ 84 129024 N. Vermont QRP Society OPS: KM1Z,N1BQ,KK1J,KB1EZD,KB1EYC
AC6KW 87 121104 OPS: KQ6DV,K6EXT,AC6KW,KF6QI
N8KV 45 49680 OPS: N8KV,KX8CW,N8BRI,KC8LTL
NQ4RP 43 30272 NOGA QRP CLUB OPS: K4JTD,AD4S,AD4J
K8JV 21 13440 Isaac Walton Portable Radio Operators Club OPS:
K8JV,K8TRF,AA8UU
KR6LP 21 11760 Lake Perris QRP Society OPS: K6WHP,K6BNC,AD6HR
K8UO (40m) 26 8736 OPS: WB8E,W8EDX
W6MV 32 8704 OPS: W6QXX,AD6GP,AD6EZ,KE6WYA,KM6JE
K4FB 25 8400 OPS: W2XN, AD4IH, KR4SP, KE4NKQ, K4FB, WD4BEK, K4BYF
K8UO (10m) 30 7200 OPS: WY8M,KC8QEG

Bob Hightower NK7M

Date: Thu, 5 Apr 2001 00:04:13 EDT
From: K4IA@aol.com

To: qrp-1@lehigh.edu
Subject: [95692] K1/K2 mojo @ 49,978 miles per watt
Message-ID: <3b.12d009a0.27fd48bd@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Just completed a QSO o 20 mtrs with FISTS member LZ2RS running his K2 @ 100mw
against my K1 @ 100mw. Distance was 4978 miles. Major Mojo.

Radio K4IA
Craig Buck
Fredericksburg, Virginia USA
QRP ARCI #2550 FISTS #6702 CC 788
K1 #470

For cheap long distance, 800#s and more
Tune to http://www.ld.net/?bucksavers

4.9 cents/min - no monthly fees

Date: Thu, 5 Apr 2001 00:08:06 EDT
From: K4IA@aol.com
To: qrp-1@lehigh.edu
Subject: [95693] K2/K1 Mojo 49,978 miles per watt
Message-ID: <34.1344fccf.27fd49a6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Just completed a QSO on 20 mtrs with FISTS member LZ2RS running his K2 @
100mw against my K1 @ 100mw.

Distance was 4978 miles. Major Mojo.

Radio K4IA
Craig Buck
Fredericksburg, Virginia USA
QRP ARCI #2550 FISTS #6702 CC 788
K1 #470

For cheap long distance, 800#s and more
Tune to http://www.ld.net/?bucksavers

4.9 cents/min - no monthly fees

Date: Thu, 5 Apr 2001 00:22:06 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [95694] K0EVZ Xtreme FOX Hunt Log
Message-ID: <200104042322_MC2-CB5B-A003@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Gang:

Here is my log from last evening's Xtreme FOX Hunt. Got a =
total of 51 pelts (including K0EVZ). Never seemed to find a =
great frequency or operating rhythm due to a somewhat =
belated start. Thanks to all who dropped by. The hunt was =
a kick, for sure :-). Setup was K2 at 5 watts to the 560' horizontal =
loop up 33'. =

Time	Call	RST	SPC	Name	=
Power					
0106	K5NZ	559	TX	Mike	=
=					
5					
0110	WA9TZE	559	WI	Jim	=
=					
5					
0115	AG0T	559	ND	Todd	=
=					
2					
0121	NV4V	559	KY	Pete	=
=					
5					

0123	W5USJ	559	TX	Chuck	=
=					

3

0127	N0RC	559	C0	Rod	=
=					

5	0129	N5ET	599	TX	Bob	=
	=					

5	0131	W5SB	599	TX	Bill	=
	=					

5	0132	W0J0E	559	M0	Joe	=
	=					

5	0133	K5TZY	599	TX	Bill	=
	=					

5						=

--						

0134	K10J	599	TX	0J	=
=					

5	0135	KM1Z	559	VT	Frank	=
	=					

5	0137	N1LN	559	TX	Bruce	=
	=					

5	0137	AK7Y	559	AZ	Greg	=
	=					

5	0138	K7FD	559	OK	John	=
	=					

5

-----=

--

0139 N0HRL 559 MN Ken =

=

5

0141 W5YR 579 TX George =

=

5

0141 K5DW 559 TX Don =

=

5

0143 NK9GN 599 WI Rick =

=

5

0145 N6MM 559 CA Harvey =

=

5

-----=

--

0145 W9XU 579 WI Lon =

=

5

0145 VA6RF 579 AB Earl =

=

5

0146 K8CV 579 MI Walt =

=

5

0148 K5AAR 559 OK Don =

=

5

0150 W0CH 599 MO Dave =

=

5

```

-----=
--
-----
0152      K7KY      559      WA      Gary      =
  =

    5
0153      KK5LD     559      TX      Dan       =
  =

    5
0154      KF0N      559      IA      Larry     =
  =

    2
0155      N0TU      559      CO      Steve     =
  =

    5
0156      NQ7X      559      AZ      Floyd     =
  =

    5
-----=
--
-----
0157      AD6JV     559      CA      Bill      =
  =

    5
0158      AA7XA     559      OR      Frank     =
  =

    5
0206      AC5JH     559      OK      Tom       =
  =

    5
0207      K5JHP     559      TX      Bill      =
  =

    5
0208      W6ABC     559      CA      Jack      =
  =

    5
-----=
--

```



```

-----
0209      KU7Y          559          NM          Ron          =
=

5
0210      W0UFO        599          MN          Mert          =
5
0211      KB7WW        559          OR          Art           =
=

5
0214      KI0II        559          CO          Ron           =
=

5
0227      KA1DDB       559          MI          Ken           =
=

5
-----
--
-----
0228      KJ0C         559          MO          Jim           =
=

5
0230      AF4LQ        559          KY          Mike           =

500mW!
0232      WA7TQK       579          ID          Bill           =
=

5
0234      NK7M         559          AZ          Bob            =
=

5
0236      KB9YIG       579          IN          Tony            =
=

5
-----
--
-----
0246      K6VNX        589          CA          Arlen           =
=

5

```

0248	K8KFJ	559	WV	Gary	=
=					
5					
0253	AA0ZZ	559	MN	Craig	=
=					
5					
0254	NU8S	559	OH	Dennis	=
=					
4					
0259	N5EN	579	TX	Steve	=
=					
5	=				
0000	K0EVZ	Herr FOXxe			

Date: Wed, 04 Apr 2001 21:25:52 -0700
 From: Lee Hopper <leehop@qwest.net>
 To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
 Subject: [95695] OP: QSL via cba?
 Message-ID: <3ACBF3D0.3C0F9218@qwest.net>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit

Greetings fellow qrprs...

Heard Ade, W0RSP (does that stand for Your Worship?) work August in Estonia, ES1WN, last night on 30M. August said "qsl cba" - what does it mean???

>From QRZ: "QSL VIA ES1AX CBA" ???

73z
 Lee Hopper, KD7CTF
 Portland, OR

Date: Wed, 4 Apr 2001 21:43:07 -0700
 From: "Kevin Nathan" <k7rx@uswest.net>
 To: <qrp-1@lehigh.edu>
 Subject: [95696] Help Please
 Message-ID: <000501c0bd8a\$ea820560\$6c69e43f@default>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

It's been some time since I've posted on this list. I am totally blind and currently living in temporary housing at a motel in Federal Way, Washington waiting for my family to be able to move here from Boise, Idaho. It looks like I'll be here for at least another month before we can possibly move into a house. I have been unable to work out of my room here using either 20 or 40 meters with Norcal rigs and different antennas. I'm convinced the only answer is to get something up outside. Is there anyone in the Seattle metro area on this list who might have a spare 40 meter dipole or other 40 meter antenna you could lend to me and, most importantly, some time to come by here and help me get it put up? If so, please write me or call me at (253) 946-0553 here in the evenings or (206) 721-4859 at work during daytime hours.

Thanks so much and 72.
Kevin, K7RX

Date: Thu, 05 Apr 2001 04:56:35 +0000
From: Garie Halstead <k8kfj@ntelos.net>
To: leehop@qwest.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [95697] Re: OP: QSL via cba?
Message-ID: <3ACBB4B3.EA269EAF@ntelos.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

cba = Call Book Address

72 //Gary *K8KFJ*

Date: Wed, 04 Apr 2001 21:26:57 -0700
From: Russ Dow <n7dw@pacbell.net>
To: kelman@dialnet.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [95698] Re: MFJ-941E trouble. new out of box help.
Message-ID: <3ACBF411.FAF31D47@pacbell.net>

MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Kelly,

I'm not familiar with your particular tuner, but I'll toss in one general suggestion.

What type of transmission line are you using?
If it is balanced line you may need a wire jumper on the rear panel, between the Random Wire post and one of the Balanced Line posts. This connects the built-in balun into the circuit. Without the jumper the balun and your balanced line are floating.

If you are NOT using balanced line, I'm out of bright ideas. ;-)

Hope this helps. Good luck!

73,
Russ N7DW

Kelly Ellison wrote:

>
> Hello all.
>
> Just got a MFJ-941E tuner new and having trouble with it. Changing the
> inductor switch does not seem to change SWR much.
> I cannot get it to tune any antenna, any band.
> I have a MFJ-962C that tunes the same antennas with no problem. I opened
> it (941) up to look for anything obvious, but don't see anything. Got it to
> use with my FT-817. Anybody have similar experiences? Hoping I could fix
> it instead of sending it back to MFJ. Got it from Texas Towers.
>
> Thanks, and see you at Arkiecon.
>
> Kelly Ellison - WB0WQS QRP-L #702

Date: Wed, 04 Apr 2001 21:33:15 -0700
From: Russ Dow <n7dw@pacbell.net>
To: nk7m@extremezone.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [95699] Re: Xtreme Fox and UTC

Message-ID: <3ACBF58B.7EC27FE6@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

My system clock did not switch to DST last Sunday. Neither did my little Radio Shack clock that monitors WWV. As far as I recall, both functioned correctly last year.

I wonder if some clocks are programmed to change over on the first Sunday of the first full weekend in April, which would be next Sunday. I'll be watching...

73,
Russ N7DW

Bob Hightower wrote:

>
> Hmmmm...some of the foxii I got recorded times exactly one hour later than
> my clock said, and some recorded the same time.
>
> Some time conversion problems, maybe?
>
> Bob NK7M

Date: Wed, 4 Apr 2001 23:37:37 -0700
From: "Dave Fifield" <ad6a@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [95700] Electronics Software
Message-ID: <004201c0bd9a\$e8cdf980\$0600a8c0@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang, while I was surfing the net just now, I came across a great website that has links to all sorts of useful Electronics Software:

<http://www.epanorama.net/software.html>

This is a great one to keep in your bookmarks.
Thought I should spread the word - I have nothing to do with these people whatsoever...usual disclaimer....

Cheers es 72,
Dave Fifield, AD6A

Date: Thu, 5 Apr 2001 05:43:53 -0400
From: "Pastor-KC1DI" <elbc@pivot.net>
To: <kelman@dialnet.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [95701] Re: MFJ-941E trouble. new out of box help.
Message-ID: <007301c0bdb4\$ee553b60\$9210a1d0@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Kelly Ellison" <kelman@dialnet.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, April 04, 2001 22:35
Subject: MFJ-941E trouble. new out of box help.

> Hello all.
>
> Just got a MFJ-941E tuner new and having trouble with it. Changing the
> inductor switch does not seem to change SWR much.
> I cannot get it to tune any antenna, any band.
> I have a MFJ-962C that tunes the same antennas with no problem. I opened
> it (941) up to look for anything obvious, but don't see anything. Got it
> to
> use with my FT-817. Anybody have similar experiences? Hoping I could fix
> it instead of sending it back to MFJ. Got it from Texas Towers.
>
> Thanks, and see you at Arkiecon.
>
> Kelly Ellison - WB0WQS QRP-L #702
>
>
Hi Kelly,

I've found the problem on two of them to be bad ground connection on one or more of the Coax connectors. I always drill out the rivets and replace them with nut, bolt and lock washers. After removing the rivets take some fine sandpaper or emery cloth and shine up the chassis under the So239's then remount them with the bolt assemblies that usually does it.

hope that is of help,
73, & 72 , dave kc1di

Date: Thu, 5 Apr 2001 05:37:51 -0400
From: Bill Lazure <n2tpa@juno.com>
To: qrp-1@lehigh.edu
Subject: [95702] Cheap (free) batteries
Message-ID: <20010405.060631.-385111.0.n2tpa@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

It never amazes me how a thrifty person can get by nowadays. I wanted a battery backup for my equipment, but couldn't get the funds from the XYL. After a few phone calls, I discovered that a large local Burglar alarm company uses 12V 7.2 AH Gel Cells as a backup on their local alarm panels. They swap them out every two years, good or bad. A quick trip to the pallet in the yard, and I have a free back-up.

Give it a try!

73,

Bill
W2EB

GET INTERNET ACCESS FROM JUNO!
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Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Thu, 5 Apr 2001 06:55:43 -0400
From: Peter_Simpson@ne.3com.com
To: qrp-1@lehigh.edu
Subject: [95703] RS WWVB clock on sale \$20
Message-ID: <85256A25.003CB3FC.00@usboxmta.ne.3com.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

I was checking the RS web site last night and noticed that their 63-968 "Atomic" clock is on sale for \$19.99.

This is the model with the external loopstick/receiver unit.

The new models have internal receivers and antennae.

If you wanted to build a custom WWVB synchronized UTC clock, this is the RS model you want, as you can cut the cable and use the antenna/RX module with your own clock circuitry (PIC and display).

<http://psn.quake.net/wwwbsdr.html>
<http://www.sonic.net/~shageman/wwwvb.html>

I'm not sure if you'll find them in stores, but it's on www.radioshack.com.

Peter, KA1AXY

Date: Thu, 5 Apr 2001 07:38:54 -0400
From: "John Nally" <nally@talstar.com>
To: <qrp-1@lehigh.edu>
Subject: [95704] Antennas, trees, and mating the two...
Message-ID: <000d01c0bdc4\$ff1ffce0\$0200a2c6@dellsystem>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang:

In order to replace the old reliable dipole with a better antenna, I need to put a line over a limb of a tall pine, and wonder if someone might offer wisdom on the best way to do it. Climbing is out -- I'm too old :-(We're talking about 100 feet or thereabouts from the ground.

Various ways I have thought of are: (a) slingshot, (b) bow-n-arrow, (c) casting rod, (d) underhand throw of a hammer. More exotic thoughts (during the middle of the night) include a potato gun, some sort of mechanism like

they used to use to throw stones (and heads) into castles during the middle ages during sieges, and a kite.

As you can plainly see, I need some advice from someone with experience, and am humbly soliciting same.

Yr. Obt. Svt., John AF4WM

Date: Thu, 05 Apr 2001 07:50:05 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: n7dw@pacbell.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [95705] Re: Xtreme Fox and UTC
Message-ID: <3ACC5BED.18FEFFE@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Russ:

My Qlock program on the computer says that it changes over the first full sunday of the month.... My MFJ clock just keeps on ticking with no problems.. But I really do hate this time change stuff, it can end anytime.

Fred
VE3FAL

Russ Dow wrote:

>
> My system clock did not switch to DST last Sunday. Neither
> did my little Radio Shack clock that monitors WWV. As far
> as I recall, both functioned correctly last year.
>
> I wonder if some clocks are programmed to change over on the
> first Sunday of the first full weekend in April, which would
> be next Sunday. I'll be watching...
>
> 73,
> Russ N7DW
>
> Bob Hightower wrote:
> >
> > Hmmm...some of the foxii I got recorded times exactly one hour later than
> > my clock said, and some recorded the same time.
> >

> > Some time conversion problems, maybe?
> >
> > Bob NK7M

Date: Thu, 05 Apr 2001 07:53:42 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, QRP Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [95706] WWVH @11:51 z (Apr 5/01)
Message-ID: <3ACC5CC6.D9B85F08@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just listening to 15 megs at 11:49 z... And WWVH from Hawaii is the only time station that I can hear, do not hear WWV AT ALL in the background...So off to 20 metres and listen for that Pacific DX.

Fred
VE3FAL
EN58
Thunder Bay, Ontario

Date: Thu, 05 Apr 2001 07:59:07 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, QRP Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [95707] homepage.com troubles
Message-ID: <3ACC5E0B.B7B857FD@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anyone know if homepage.com has left us all together, or are they having trouble. Tried to get to my web page to change things, and I cant find it at all, neither the site, or my homepage.

Fred
VE3FAL

Date: Thu, 05 Apr 2001 05:06:05 -0700

From: Lee Hopper <leehop@qwest.net>
To: qrp-l@Lehigh.EDU
Subject: [95708] Re: OP: QSL via cba?
Message-ID: <3ACC5FAD.26D9C52C@qwest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sincere thanks to all for the many replies - qsl: cba=callbook address.
-LH

> "qsl cba" - what does it mean???

Date: Thu, 5 Apr 2001 09:31:27 -0400
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [95709] MFJ 941-E
Message-ID: <20010405.093336.-474887.3.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OK HERE BE what I experienced...

I put 6 = 300 ohm resistors in parallel -\= 50 ohm for a dummy
load

used my k2 output reading as my power guide

jumped the 47k resistor with a piece of wire and used the existing 25k
pot in tuner...

my scales are 0 to 300watts
0 to 30 watts

I set what WAS the 30 w scale BUT IS now the 3 watt scale
to 3 watts full scale...

and then came down with the power... 20 = roughly 2 watts

10 watts =

roughly 1 watt

and the rest of the scale seemed kinda close down to 100 mw

HOWEVER

my pwr pot on the k2 was erratic.... and I could not get it exactly on
the 1watt

100mw etc... so I kneaux I'm closer to correct with this mod... but would
need a known watt meter to know for sure...and a marker of some sort to
put marks at the levels I wanted to use...

I used 40 meters to do this... let me kneaux how u make out iffin
u try this...

simple as pie to do and undo....

and yes the meter reads differently at very low scale... not a linear thing at all... U could put a smaller pot (put resistors in parallel with existing pot) in the circuit (for better control) and set the meter for full scale at some minimum power (around two watts) and then mark the glass on the meter for whatever it reads at other power levels of interest... say 100 mw and lower...

A meter already calibrated for very low power would be the way to geaux... however this will work if ur willing to mark the new settings...

ke1la joel

in maine

hey done something technical heah.... wow....

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 4 Apr 2001 21:23:09 -0500

From: George Franklin <w0av@juno.com>

To: qrp-1@lehigh.edu

Subject: [95710] Thanks to you QRP/Computer Gurus

Message-ID: <20010405.083219.-1795653.3.w0av@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Gentlemen:

I was unprepared for the volume and variety of responses to my plaintive plea for DOS HELP in copying a 3.9 MB file to individual 3.5" disks.

All your suggestions have been saved for future reference.

The program I found simplest (very important for an old geezer, age 81) is SPLIT.EXE which I downloaded after it was highly recommended by a veteran QRPer right here in the state of MO.

This is an incredible group. Please accept my thanks to one and all for your interest and skilled responses.

Perhaps I may be able to help one of you with the knowledge scrounged over 66 years of active hamming, mostly QRP.

72/73/74 de George/W0AV

SOC#101

Date: Thu, 05 Apr 2001 08:56:30 -0400
From: Ken Newman <N2CQ@citnet.com>
To: epaqrp-1@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [95711] [CONTEST] QRP Contest Calendar - 4/7 to 4/30
Message-ID: <3.0.6.32.20010405085630.00862980@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

~~~~~  
QRP CONTEST CALENDAR  
April 7-30, 2001  
~~~~~

ArkieCon 2001 QRP Forums (This Weekend)
Details: <http://www.qsl.net/kk5ku/arkiecon.html>
~~~~~

SP DX Contest (Phone/CW)  
Apr 7 - 1500z to Apr 8 - 1500z  
Rules: <http://www.sp5zcc.waw.pl/spdxc/spdxc.html>  
"Awards available from Poland"  
~~~~~

EA RTTY Contest (Digital)
Apr 7 - 1600z to Apr 8 - 1600z
Rules: <http://www.sk3bg.se/contest/eartty.htm>
"To promote activity in RTTY mode"
~~~~~

AND LATER.....  
~~~~~

QRP ARCI Spring QSO Party (CW)QRP Contest!!!

Apr 14 -1200z to Apr 15 2400z

Rules: <http://personal.palouse.net/rfoltz/arci/arcitst.htm>

"Biggest QRP event in some time"

~~~~~  
Low Power Spring Sprint (Slovak ARA) (CW) ...QRP Category

Apr 16 - 1500z to 2000z

Rules: <http://www.sk3bg.se/contest/lpsprspr.htm>

"Grid Location multipliers"

~~~~~  
The TARA PSK31 Rumble (Digital) ... QRP Category

Apr 21 0000z to 2400z

Rules: <http://www.qsl.net/wm2u/rumble.html>

"Get those Warblers in the show"

~~~~~  
Estonian (ES) Open HF Championship (CW/SSB) (80 & 40) ...QRP Category

Apr 21 - 0500z to 0959z

Rules: <http://www.sk3bg.se/contest/esopen.htm>

"Awards and trophies"

~~~~~  
Michigan QSO Party (CW/SSB) ...QRP Category

Apr 21 - 1600z to Apr 22 - 0400z

Rules: <http://www.qsl.net/mrrc/mqp.html>

"Celebration of Michigan Week"

~~~~~  
EA QRP Contest (CW) ...QRP Contest!!

Apr 21 - 1700z to 2000z (20 Meters)  
Apr 21 - 2000z to 2300z (80 Meters)  
Apr 22 - 0700z to 1300z (40 Meters)

Rules: [http://www.geocities.com/eaqrpclub\\_es/uk/uk.html](http://www.geocities.com/eaqrpclub_es/uk/uk.html)

"QRPP Category included"

~~~~~  
Ontario QSO Party (CW/SSB) ... QRP Category

Apr 21 - 1800z to Apr 22 - 1800x

Rules: <http://www.odxa.on.ca/oqprules.html>

"Work Ontario stations. Canada's friendliest amateur radio contest"

~~~~~  
QRP To The Field (CW) ...QRP Contest!!

Apr 28 - 1500z - 2400z (Pick any 6 hours)

Rules: <http://www.fix.net/norcal.html>

"2001: A Space Odyssey"

~~~~~  
Helvetia Contest (CW/SSB) (Swiss) ...QRP Category

Apr 28 - 1300z to Apr 29 - 1300z

Rules: <http://home.sol.no/~janalme/htmlrules/h26.html>

"Work Swiss Cantons"

~~~~~  
Florida QSO Party (CW/Phone) ...QRP Category

Apr 28 - 1600z to Apr29 - 0159z and

Apr 29 - 1200z to 2159z

Rules: <http://www.qsl.net/fqp/rules.htm>

"Work Florida counties"

~~~~~  
Nebraska QSO Party (CW/SSB) ... QRP Category

Apr 28 - 1700z to Apr 29 - 1700z

Rules: <http://www.qsl.net/hdxa/neqso/neqso.htm>

"Work Nebraska counties. More points for QRP"

~~~~~  
72 de                               \*\*\*\* QRP Contest Calendar \*\*\*\*  
Ken Newman - N2CQ               <http://www.njqrp.org/data/contesting.html>  
N2CQ@ARRL.NET                   <http://www.n3epa.org/Pages/Contest/contest.htm>  
                                 <http://www.qsl.net/cqrp/contests.html>

-----  
Date: Thu, 05 Apr 2001 08:53:56 -0500  
From: Dave Sjolín <[sjolin@swbell.net](mailto:sjolin@swbell.net)>  
To: Qrp-l Reflector <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [95712] Extreme Cub Hunt: N0IT Preliminary Log  
Message-ID: <3ACC78F4.6055D450@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Below is my log from Tuesday night's Extreme cub hunt. 36 pelts handed out after removing one dupe. My thanks to the Fox Committees for a well run show this year and for this nice finale!

Conditions were rough with some nearby thunderstorms in addition to generally poor propagation. Occasionally some weird digital qrm would open up on the frequency. Spent a lot more time CQing than in the past. Also I was kind of thrown by a few who called up 500 hz when the



frequency had been quiet for five minutes. I probably missed a a few by not using RIT more. I spent most of my time on 7112 moving up to 7139 or so near the end. Looked around for some of the other cubs during the last fifteen minutes but couldnt hear any. Maybe we were all looking for each other, HI.

Thanks to those who called in and apologies to some of you that I could just not pull out... And I expect some corrections with the noise, typos, etc.

Dave Sjolín  
NØIT, St. Louis, MO

| UTC  | CALL   | RST | STATE  | NAME   | POWER  |
|------|--------|-----|--------|--------|--------|
| 0101 | KE0WW  |     | 559 MN | MIKE   | 5W     |
| 0105 | KC1FM  |     | 559 CT | JIM    | 5W     |
| 0107 | KC0GXX |     | 559 NE | TOM    | 3W     |
| 0110 | KB3E0F |     | 559 MD | SANDY  | 5W     |
| 0113 | KU4TN  |     | 559 VA | JAMES  | 500 MW |
| 0119 | WB6FLD |     | 559 TX | RICK   | 3W     |
| 0124 | KB9YIG |     | 559 IN | TONY   | 5W     |
| 0127 | KV4EE  |     | 559 SC | CRAIG  | 5W     |
| 0130 | K6VNX  |     | 559 CA | ARLEN  | 5W     |
| 0133 | N04D   | 559 | SC     | KEN    | 5W     |
| 0135 | KJ0C   | 559 | MO     | JIM    | 5W     |
| 0137 | N6MM   | 559 | CA     | HARVEY | 5W     |
| 0138 | K8KFJ  |     | 579 WV | GARY   | 5W     |
| 0142 | W3PNL  |     | 559 PA | JOE    | 3W     |
| 0145 | AB8DF  |     | 559 MI | ED     | 5W     |
| 0146 | K4BYF  |     | 559 FL | JACK   | 5W     |
| 0148 | K1ZW   | 599 | TX     | LARRY  | 5W     |
| 0149 | KA1DDB |     | 559 MI | MIKE   | 5W     |
| 0151 | KG4FMC |     | 559 NC | KEN    | 5W     |
| 0158 | W0CH   | 579 | MO     | DAVE   | 5W     |
| 0200 | NV4V   | 569 | KY     | PETE   | 5W     |
| 0203 | K8CV   | 559 | MI     | WALT   | 5W     |
| 0205 | K5NZ   | 559 | TX     | MIKE   | 3W     |
| 0206 | AA7EQ  |     | 559 AZ | BOB    | 4W     |
| 0209 | WB5DRG |     | 599 AR | GARY   | 25W    |
| 0217 | AC5JH  |     | 559 OK | TOM    | 5W     |
| 0219 | W0UFO  |     | 559 MN | MERT   | 5W     |
| 0220 | W9XU   | 559 | WI     | LON    | 5W     |
| 0222 | W0JOE  |     | 599 MO | JOE    | 5W     |
| 0225 | W6ABC  |     | 559 CA | JACK   | 5W     |
| 0228 | K10J   | 559 | TX     | OJ     | 5W     |
| 0230 | KI0II  |     | 559 CO | RON    | 5W     |
| 0232 | N8GSJ  |     | 449 OH | GARY   | 5W     |
| 0243 | AF4LQ  |     | 579 KY | MIKE   | 500MW  |

0245 AC5JH 559 OK TOM 5W DUPE  
0246 WB8WTU 559 OH DENNIS 3W  
03:00 N0IT 599 MO DAVE 5W

-----  
Date: Thu, 05 Apr 2001 10:13:01 -0400  
From: "Hugo W. Catta" <hugo@optonline.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, nally@talstar.com  
Subject: [95713] Re: Antennas, trees, and mating the two...  
Message-ID: <00a601c0bdda\$85e87c60\$0200a8c0@laptop>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

I've seen the WECA guys in Mamaroneck, NY using (b) bow-n-arrow consistently year after year to put up a 1000ft "field day special" horizontal loop hung from the light towers abt 100ft high, over a soccer field. The other options will not reach 100ft, methinks. I've tried the slingshot (60ft tops) and casting rod (not as precise nor as high). For the hammer option I'd suggest to bring hard hats and a video camera... The "America's Funniest Videos" address will come handy as well.

Can't say about the kite, potato gun or heads. Haven't seen those methods applied lately.

72, 73  
Hugo  
AA1XV  
a.k.a. CX9AAK

....snip....  
> Various ways I have thought of are: (a) slingshot, (b) bow-n-arrow, (c)  
> casting rod, (d) underhand throw of a hammer. More exotic thoughts  
(during  
> the middle of the night) include a potato gun, some sort of mechanism like  
> they used to use to throw stones (and heads) into castles during the  
middle  
> ages during sieges, and a kite.  
>  
....snip....

-----  
Date: Thu, 5 Apr 2001 10:11:20 -0400

From: John R Kirby <n3aaz-qrp@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [95714] What is IP3 telling me?  
Message-ID: <20010405.101242.-159049.1.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

A list member ask . . .  
What is IP3 telling me?

Since I have 'been there' I post my opinion to the list also . . .

Greater IP3 numbers indicate better receiver performance.

\* \* \* BUT \* \* \* please read on . . .

IP3 (intercept point) is a magic point in space  
where unwanted inter-modulation could occur.

The IM3 'point' is calculated from other data (IMD and MDS) (expressed in dBm)  
extrapolated from a 'nonlinear' function by a 'straight line' sort of  
\*MAGIC\*.

In my opinion (because I have been there and done that for a living)  
IP3 results can be a "specksmanship" problem  
IF NOT  
performed on both receivers by the  
same technician on the  
same day with the  
same frequencies and  
same test equipment.

The IP3 results you post . . .

+17/+14/+21dBm (for the 746)  
-3.4/-1.3/-4.9 dBm (for the 706)

may be in error, because,  
the delta between these two sets of numbers is huge!!  
Please double check the numbers for a sign or other 'typo' and  
'specksmanship' .

\*\*dBm\*\* is just a reference term and states that  
'some number' expressed in dB is referenced to one mil Watt (mW) BUT  
the impedance of the 'system' MUST always be defined (specified).

. . . In a 50 Ohm system . . .  
Zero dBm (0 dBm) \*the reference point\* is equal to 0.001 W (one mW) ((1 mW)).

Therefore . . . from your numbers . . .  
21 dBm is equal to 120 W (one hundred twenty Watts) and  
-4.9 dBm is equal to 0.0003 W (300 uW) ((three hundred micro Watt)) and  
120 W vs 300 uW is a HUGE HUGE 25.9 dB delta.  
I suspect either a typo or specksmanship (magic interpolation).

Greater IP3 numbers indicate better receiver performance.

Therefore, if the above IP3 numbers are indeed 'real' AND no  
specksmanship is involved then the 746 is a \*\*MUCH / MUCH (HUGE)\*\* better  
RECEIVER (as far as this IP3 specification is concerned) because . . .  
it would take more extrapolated / MAGIC power to make these unwanted  
third order inter modulation products to occur. IP3 (as such, in this  
case) has nothing to do with the transceiver transmitter specifications.

ALSO NOTE \* \* \* the ARRL HB states that an IP3 of 4 dBm is \*typical\*  
performance for  
a contemporary (whata ever that is, HI HI) communication receiver.

Again . . .  
IMHO the delta between 4 dBm (ARRLnumber) and 21 dBm (746 number) is  
unreal.

I know the 706 is a 50 Ohm system (I own one) but know not about the 746  
or the ARRL contemporary receiver.

The ARRL HB has a lot more on IP3.

73  
John  
N3AAZ  
FM 19 xa

---

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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 05 Apr 2001 07:26:36 -0700  
From: Brian Kassel <bkassel@dancris.com>  
To: QRP-L <QRP-L@lehigh.edu>, azqrp <azqrp@extremezone.com>

Subject: [95715] 10M Intruder QRM - The good News  
Message-ID: <3ACC809C.38102F86@dancris.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gangue:

Looks like our efforts to get something done about the unlicensed QRM on 10M, especially in the CW and QRP calling frequency segments are making a real positive difference. Below is a portion of a recent ARRL bulletin:

SB QST ARL ARLB012  
ARLB012 Overwhelming response to Intruder Survey

The response to ARRL's call last fall for reports of apparent unlicensed operation on 10 and 12 meters has been ''overwhelming,'' according to Brennan Price, N4QX, administrator of the ARRL Monitoring System. The survey last October 1-14 was initiated in response to an increasing number of complaints from the amateur community.

Price said that more than 400 separate reports, nearly all from United States amateurs, detailed more than 1000 separate instances of apparent unlicensed operation. An analysis suggests that nearly half of the transmissions originated in the US. Of the remaining reports, most appeared to document transmissions originating in Latin America.

Price said the FCC relies on the Amateur Service to be self-policing and has indicated that it is most likely to act in suspected unlicensed operator situations when amateurs themselves document the cases.

\*\*\*\*\*Price said \*\*\*\*\*ACTIVE USE OF THE BANDS\*\*\*\*\* by licensees is the best way to discourage unlicensed operation.\*\*\*\*\*

''It is not easy or quick work, but it has been successfully done in the past,'' he said.

It's really obvious that we need to get on 10M and make QSO's. Call CQ. Use that keyer memory function to call CQ while doing other things in the shack, be prepared to make a QSO. There have been examples of this technique posted on the QRP-L, with lot's of rare DX worked on a so called "dead 10M Band".

That 10M peanut whistle and you CAN and WILL make a difference!

Brian K7RE

-----  
Date: Thu, 05 Apr 2001 10:32:33 -0400  
From: "Mark J. Dulcey" <mark@buttery.org>  
To: n3aaz-qrp@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [95716] Re: What is IP3 telling me?  
Message-ID: <3ACC8201.7A028E68@buttery.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

John R Kirby wrote:

>  
> The IP3 results you post . . .  
>  
> +17/+14/+21dBm (for the 746)  
> -3.4/-1.3/-4.9 dBm (for the 706)  
>  
> may be in error, because,  
> the delta between these two sets of numbers is huge!!  
> Please double check the numbers for a sign or other 'typo' and  
> 'specksmanship' .

No, they're probably right. But 746 has both somewhat higher IMD dynamic range, and a significantly worse MDS - those factors combine to make the IP3 much higher. Adding input attenuation to the 706 to make the MDS numbers match would bring the IP3s closer together. You might want to make sure that both sets of numbers were measured with either 'preamp on' or 'preamp off'; otherwise, you're comparing apples and oranges.

(When I say that the MDS of the 746 is 'worse', I just mean that it takes more signal to be discernable, not necessarily that the difference makes any difference in actual use. The MDS of the 746 is, in fact, probably good enough to get below the noise floor on most HF bands, though it might hurt a bit for weak signal work on 10 and 12 meters.)

-----  
Date: Thu, 05 Apr 2001 07:54:16 -0700  
From: Brian Kassel <bkassel@dancris.com>  
To: QRP-L <QRP-L@lehigh.edu>  
Subject: [95717] CQ K0FRP and N8ET  
Message-ID: <3ACC8718.4A1A57B2@dancris.com>

Al and Bill:

Brian K7RE

Ordered a cable from AESA Milwaukee and it's now lost somewhere in the mail.  
Want to give the Scout 556 a try on ssb at 1 watt. Thanks.  
mike  
wb5vjx

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

Date: Thu, 5 Apr 2001 11:09:28 EDT  
From: RangerSF5@aol.com  
To: qrp-l@lehigh.edu  
Subject: [95719] <<<<<<<<ATTN DON WILHELM>>>>>>>>>>>>>>>>>>  
Message-ID: <be.12611e71.27fde4a8@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

PLEASE CONTACT ME,BOB AKA WA2HOQrp <tm>

Thanks

Bob

-----  
Date: Thu, 5 Apr 2001 11:07:51 -0400  
From: "Paul Christensen" <paulc@mediaone.net>  
To: <n3aaz-qrp@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [95720] Re: What is IP3 telling me?  
Message-ID: <008101c0bde2\$575ac940\$6401a8c0@paulch>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> . . . In a 50 Ohm system . . .  
> Zero dBm (0 dBm) \*the reference point\* is equal to 0.001 W (one mW) ((1  
> mW)).  
> Therefore . . . from your numbers . . .  
> 21 dBm is equal to 120 W (one hundred twenty Watts)

I compute +21 dBm equaling 0.126 Watt, not 120 watts:

+21 = 10 Log X/0.001  
+2.1 = Log X/0.001  
+2.1 = Log X - Log 0.001  
+2.1 = Log X - (-3.0)  
+2.1 = Log X + 3.0  
-0.9 = Log X

X = 0.126 Watt (or 126 mW)

-Paul, W9AC

----- Original Message -----

From: "John R Kirby" <n3aaz-qrp@juno.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, April 05, 2001 10:11 AM  
Subject: What is IP3 telling me?

>  
> A list member ask . . .  
> What is IP3 telling me?  
>



> Since I have 'been there' I post my opinion to the list also . . .

>

> Greater IP3 numbers indicate better receiver performance.

>

> \* \* \* BUT \* \* \* please read on . . .

>

> IP3 (intercept point) is a magic point in space

> where unwanted inter-modulation could occur.

>

> The IM3 'point' is calculated from other data (IMD and MDS) (expressed in

> dBm)

> extrapolated from a 'nonlinear' function by a 'straight line' sort of

> \*MAGIC\*.

>

> In my opinion (because I have been there and done that for a living)

> IP3 results can be a "specksmanship" problem

> IF NOT

> performed on both receivers by the

> same technician on the

> same day with the

> same frequencies and

> same test equipment.

>

> The IP3 results you post . . .

>

> +17/+14/+21dBm (for the 746)

> -3.4/-1.3/-4.9 dBm (for the 706)

>

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> Please double check the numbers for a sign or other 'typo' and

> 'specksmanship' .

>

> \*\*dBm\*\* is just a reference term and states that

> 'some number' expressed in dB is referenced to one mil Watt (mW) BUT

> the impedance of the 'system' MUST always be defined (specified).

>

> . . . In a 50 Ohm system . . .

> Zero dBm (0 dBm) \*the reference point\* is equal to 0.001 W (one mW) ((1

> mW)).

>

> Therefore . . . from your numbers . . .

> 21 dBm is equal to 120 W (one hundred twenty Watts) and

> -4.9 dBm is equal to 0.0003 W (300 uW) ((three hundred micro Watt)) and

> 120 W vs 300 uW is a HUGE HUGE 25.9 dB delta.

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>

> Greater IP3 numbers indicate better receiver performance.

>  
> Therefore, if the above IP3 numbers are indeed 'real' AND no  
> specksmanship is involved then the 746 is a \*\*MUCH / MUCH (HUGE)\*\* better  
> RECEIVER (as far as this IP3 specification is concerned) because . . .  
> it would take more extrapolated / MAGIC power to make these unwanted  
> third order inter modulation products to occur. IP3 (as such, in this  
> case) has nothing to do with the transceiver transmitter specifications.  
>  
> ALSO NOTE \* \* \* the ARRL HB states that an IP3 of 4 dBm is \*typical\*  
> performance for  
> a contemporary (whata ever that is, HI HI) communication receiver.  
>  
> Again . . .  
> IMHO the delta between 4 dBm (ARRLnumber) and 21 dBm (746 number) is  
> unreal.  
>  
> I know the 706 is a 50 Ohm system (I own one) but know not about the 746  
> or the ARRL contemporary receiver.  
>  
> The ARRL HB has a lot more on IP3.  
>  
> 73  
> John  
> N3AAZ  
> FM 19 xa  
>  
> -----  
> GET INTERNET ACCESS FROM JUNO!  
> Juno offers FREE or PREMIUM Internet access for less!  
> Join Juno today! For your FREE software, visit:  
> <http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 5 Apr 2001 11:20:33 -0400 (EDT)  
From: George Gingell <k3tks@u1.abs.net>  
To: QRP List <qrp-l@Lehigh.EDU>  
Cc: "George (NJ-QRP) Heron" <n2apb@amsat.org>  
Subject: [95721] Atlanticon 2001 Comments  
Message-ID: <Pine.BSF.4.33.0104050057460.41559-100000@u1.abs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just thought that I would add my \$ .02 to the comments about Atlanticon 2001. While I was only able to make it to the Saturday Evening Events, I would have to say that George and the NJQRP Gang have outdone themselves again. A really outstanding event.

As always, there are Old faces and New Faces. I was particularly pleased to see a couple of Young Faces there this year. Marcus (13) and his Sister Christine (15) the future hams of the Dave Gwillim Family KB2TQX.

They did a great job of building their PSK31 Audio Beacons on Breadboards.

The both received NJQRP Tee Shirts and A Small Stack of QRP ARCI Quarterly Journals. I would have given them more, but it was near the end and most were sold out. We also gave Free Samples to anyone who did not receive a prize. :^} That took care of what was left in a hurry. :^}

That helped me keep the promise not to bring anything back home. :^}

George said there were 135 in attendance. Gee that's funny, I had # 140 and I know I was the last on in the Door. No wonder I didn't win a door prize. :^} I did get a Beacon to add to my collection of unbuilt kits :^}

New Vendor Spotted at Atlanticon: QRP BOOKS <<http://www.QRPBooks.com>>

I was pleased to hear that he had sold out of the January 2001 issue of The QRP Quarterly.

Guess what, I just received the April 2001 Issue of The QRP Quarterly.

That means that I should have them in Stock soon for Back Order Sales.

New Members Can Still Get The Jan and April Issues. We are offering a "Special Deal" New Members will get Jan and Apr issue mailed to them and their Subscription will Start with April issue. That means that you will get 5 issues for your money instead of 4. We will also allow you to Sign up for Two Years (\$30 US, \$36, CA, \$40 DX). Just put K3TKS on the Application for the "Special Deal".

It would be a good idea to send me an email also with your mailing address. That way we can be sure that you get the "Extras".

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

Former QRP A.R.C.I. Net Manager and Board of Director Member.

Gingell & Company, Ltd. Small Business Telephone Systems

Notary Public and Commercial Locksmith Services (301) 572-6789 Office & Fax

George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117

Maryland Milliwatt Club QRP Reference Library, (301)572-6789

Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -

Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

-----  
Date: Thu, 05 Apr 2001 15:29:35  
From: "Brad Hernlem" <alihernlem@hotmail.com>  
To: glowbugs@piobaire.mines.uidaho.edu, qrp-1@lehigh.edu  
Subject: [95722] Thanks Re Code Exams  
Message-ID: <F62iu3fQtYdVzDpubxc000028f6@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Wow! I was deluged with advice. Thanks to all those who wrote in response to my search for a web site that produced practice CW exams.  
The following web site contains exactly what I was looking for:

<http://www.aa9pw.com/radio/exam.html>

Stupid me, I was already familiar with that site from taking the practice written exams but did not realize that it also contains facilities for code testing, as well.

Brad

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com>

-----  
Date: Thu, 5 Apr 2001 11:45:40 -0400  
From: "w8diz" <w8diz@fpqrp.com>  
To: "QRP-L" <qrp-1@Lehigh.EDU>  
Subject: [95723] Re: homepage.com troubles  
Message-ID: <006801c0bde7\$77b96e30\$7ecd1b41@cinci.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Fred,

If you have not heard yet, homepage ceased operation as on March 31st.  
They are GONE!!

My suggestion is <http://freeservers.com/>

I use them - they are fast and FREE!!!

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio  
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W  
SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26  
FPqrp#-1 <http://home.cinci.rr.com/w8diz> [AOL-IM "w8diz"]

----- Original Message -----

From: "Fred Lesnick" <flesnick@tbaytel.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, April 05, 2001 7:59 AM  
Subject: homepage.com troubles

Does anyone know if homepage.com has left us all together, or are they having trouble. Tried to get to my web page to change things, and I cant find it at all, neither the site, or my homepage.

Fred VE3FAL

-----  
Date: Thu, 05 Apr 2001 10:45:51 -0500  
From: "George, W5YR" <w5yr@att.net>  
To: mgoins@usa.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [95724] Re: Want to trade - ssb  
Message-ID: <3ACC932F.16FEAF32@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Call Bob Heil at Heil Sound and he will send you one.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe  
Amateur Radio W5YR, in the 55th year and it just keeps getting better!  
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Michael Goins wrote:

>

> I know this is a really long shot, but does anyone on the list happen to have  
> a Heil CC-1-T cable for a Goldline mike to sell or possibly trade for a AD-1  
> for a Yaesu or Kenwood (I have both as surplus)?

>  
> Ordered a cable from AESA Milwaukee and it's now lost somewhere in the mail.  
> Want to give the Scout 556 a try on ssb at 1 watt. Thanks.  
> mike  
> wb5yjx

-----  
Date: Thu, 5 Apr 2001 12:12:11 -0400 (EDT)  
From: laura fisher <wlfisher@bellatlantic.net>  
To: njqrp@njqrp.org, neqrp@jonal.net, qrp-1@lehigh.edu  
Subject: [95725] contacting your REPRESENTATIVE  
Message-ID: <384932849.986487133380.JavaMail.root@web431-wrb>  
Mime-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Please contact your local Congress persons and ask them to vote  
for BILL NUMBER HR-817. and your United States Senators to vote  
for bill number S-549. YOUR Congress persons and Senators are listed don the ARRL  
web site. These two Bill are to protect AMATEUR RADIO FREQUENCIES MAKE THEM  
LIKE A NATIONAL PARK. Where they can not be sold or changed

-----  
Date: Thu, 5 Apr 2001 12:33:49 -0400  
From: "Berry, Dennis J." <DennisB@xetron.com>  
To: "'wlfisher@bellatlantic.net'" <wlfisher@bellatlantic.net>, Low Power Amateur  
Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [95726] RE: contacting your REPRESENTATIVE  
Message-ID: <7D72C1B2F7A3D21191F8006097149AC0017317DE@s3.xetron.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Actually, I do not think the current wording in these bills say that. The  
last line in the bill (the fine print if you will) says:

'unless the Commission, at the same time, provides equivalent replacement  
spectrum to amateur radio and amateur satellite service'

Now, what does this really mean? Does this mean the Commission will provide  
the same equivalent propagation capabilities that the frequency spectrum  
being taken away has? Or does this mean if for some reason all of our HF  
frequencies are lost that the Commission must simply 'provide equivalent  
replacement spectrum' in the GHz range? That's certainly how I read it, and

if there is any ambiguity in the understanding of this bill, I bet it would get tied up in court for years trying to argue the case.

Of course this is better than what we currently have, which is nothing. But I think the wording could certainly be stronger if we are going to support such a bill.

Just another opinion.....

Dennis, NU8S

-----

Subject: contacting your REPRESENTATIVE

Please contact your local Congress persons and ask them to vote for BILL NUMBER HR-817. and your United States Senators to vote for bill number S-549. YOUR Congress persons and Senators are listed don the ARRL web site. These two Bill are to protect AMATEUR RADIO FREQUENCIES MAKE THEM LIKE A NATIONAL PARK. Where they can not be sold or changed

-----

Date: Thu, 05 Apr 2001 13:04:20 EDT  
From: Shephed@aol.com  
To: <qrp-1@lehigh.edu>, <N2CQ@citnet.com>  
Subject: [95727] CONTEST; Flying Pigs  
Message-ID: <c6.13baedaf.27fdff95@aol.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: quoted-printable

Hello everyone,  
The Flying Pigs QRP CLub, Int. is hosting a QRP contest coming up on the 5th= of May.

There will be a prize for the top scores, and certificates for all.

Full details can be found at:  
<http://www.fpqrp.com/fpqrpqsp.html>

A few minor details will be posted before the contest, and if you have any q= uestions, please direct them to me at n8ie@aol.com

72, oo  
Dan, N8IE=AE

Daniel J. Shepherd Sr. is a registered trademark of  
Eva Ruth and James Donald Shepherd Productions.  
Copyright, 1962

-----  
Date: Thu, 05 Apr 2001 13:20:43 -0700  
From: "Craig A. Ferris" <cferris@aeronix.com>  
To: qrp-l@Lehigh.EDU  
Subject: [95728] Looking for article on ALC mods for TS-130v  
Message-ID: <3ACCD39B.B5149422@aeronix.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Looking for a copy of the article "ALC modifications for the TS-130v" by  
Bob Patten, N4BP from July 1996 QQ. Please reply direct.

72,  
Craig NR4E  
Melbourne, FL

-----  
Date: Thu, 5 Apr 2001 11:20:01 -0600 (MDT)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: qrp-l@lehigh.edu  
Subject: [95729] Simple IP3/MDS stuff  
Message-ID: <Pine.SUN.4.10.10104050934330.5737-1000000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

Below is a basic description of MDS, dynamic range, IP3, etc. Following  
that is a very SIMPLE method of calculating (with mere subtraction)  
these parameters given only dynamic range and IP3 numbers.

-----  
Assume you have a nifty HP signal generator connected to your transceiver  
"under test." Put the output at some arbitrary level, say -90dBm, and  
find the signal on your receiver. Now begin decreasing the output of the  
nifty HP generator until you reach the point that you can no longer hear



the signal. Say this happens at -120dBm. You increase this output by 1-2dB, and you hear the signal, decrease by 1-2dB and you don't.

THIS IS YOUR "MINIMUM DISCERNABLE SIGNAL" STRENGTH, OR MDS.  
In this case, your MDS=-120dBm.

Put an oscilloscope or AC DVM on your audio output. Put your nifty HP generator back to -90dBm. You should see some peak-to-peak audio on your scope (or value on the DVM). Say it is 50mVpp on the scope. Now increase your nifty HP generator by +10dB, that is, to -80dBm output. You should see a 10dB power increase (20dB voltage increase) on your scope. Bump up your nifty HP generator another +10dB and your output also goes up by the same amount. Keep doing this. If you were to plot this on a piece of graph paper, power IN vs. power (or voltage) OUT, it will make a straight line slope. That is ... the response, so far, is LINEAR.

You will reach a point where you increase the output of the nifty HP generator by +10dB but your output will only go up maybe 6 or 7dB. By adjusting the output of the nifty HP generator in 1dB steps, and watching for 1dB changes in the output, you will find the exact point where a 1dB increase no longer produces a 1dB output. Say this occurs with the nifty HP generator set at -20dBm.

THIS IS CALLED THE "1dB COMPRESSION" POINT.  
In this case, your 1dB Compr = -20dBm.

Above the 1dB compr. point, your receiver is now operating in the NON-LINEAR range, and such strong input signals are now causing nasty images and distortion signals on the output. This is why a very strong signal will SOUND distorted in your earphones or speaker. In fact, a strong, distorted signal is a dead giveaway that your receiver is now operating "in compression." That's bad!

THESE UNWANTED SIGNALS ARE CALLED "INTERMODULATION DISTORTION" OR IMD. They are causing distortion, and other problems, such as controlling the AGC rather than the desired signal.

The LINEAR range of your receiver, therefore, is the difference between the minimum discernable signal (MDS) and the 1dB compression point.

THIS IS CALLED YOUR "DYNAMIC RANGE."  
In this case, your dynamic range is -120dBm (MDS) minus -20dBm (1dB compr), or DR=100dB (fairly respectable).

In the real world, you do not have a single signal coming into your receiver, but many. For example, there may be another station 2KHz away from where you're having a QSO. If he's weak, you won't hear him.

But as he get's stronger, a point will be reached where he will be just as loud as the station you are listening to.

THIS POINT IS CALLED THE "3rd ORDER INTERCEPT."

This is a THEORETICAL value, since it can not be measured directly. WHY NOT? Because it will always occur at some level ABOVE the 1dB compression point, so in the real world, when this condition occurs, your receiver will be "in compression." The desired signal AND the unwanted signal (the one 2KHz or so away) will BOTH be producing IMD products for gobs of distortion.

IP3 can get complicated, but here's all you REALLY need to know. And for those of you who doubt this, I will quote directly from the MiniCircuits Design Manual, tutorial on Mixers:

"As a rule-of-thumb, the intercept point is approximately 10 to 15dB higher than the 1dB compression point; at low frequencies about 15dB, and at higher frequencies about 10dB."

For the QRP rigs I have tested over the years, the IP3 is generally 12 to 15dB above the 1dB compression point.

SIMPLY PUT ... WHAT THIS ALL MEANS.  
(INTERPRETTING RECEIVER SPECS).

In the real world, you probably don't have a nifty HP signal generator to do these tests, or certainly don't have it with you when window shopping for a new rig :-). So you need to let the receiver spec's tell you this information.

Often, the minimum sensitivity of ham rigs is NOT given in terms of MDS, nor is the 1dB compression point given.

What *is* generally always given is the DYNAMIC RANGE and the IP3. For example, say the IP3=-10dBm and dynamic range is 110dB.

Since the 1dB compression point is ABOUT 15dB below the IP3, then your 1dB compression point is ABOUT -25dBm (IP3-15dB = -10 - -15dB).

And since the dynamic range is given as 110dB, then the MDS must be 110dB BELOW the compression point. Therefore, the MDS of this receiver is -25dBm minus 110dB, or MDS= -135dBm (quite good).

So by a little very simple subtraction, using only the dynamic range and IP3 numbers, you can quickly calculate what the MDS and compression points of a given receiver is. As QRPers, we want our receivers to work the weakest signal possible, and of course to avoid interference from a

nearby QRO station. So ... we're looking for a receiver with the highest IP3 and the widest dynamic range. An IP3 around 0dBm or higher and a dynamic range over 100dB will satisfy these requirements.

#### A COUPLE OF HINTS:

IP3 is primarily of function of the first receive mixer employed. If the IP3 is much below 0dBm, say -20dBm, it has an active mixer, such as the NE602, for the first mixer. If IP3 is closer to 0dBm or above, it is likely employing a passive mixer (SBL-1, ADE-1, etc.).

IP3 is also frequency dependent and a function of the specific first mixer employed. Receiver specs will often list several IP3's, such as one for 80-30M, another for 20-10M, and another for 6-2M. This allows you to quickly calculate the approximate MDS for the different bands.

There's alot more involved in all of this than described above, but this simple approach is more than adequate, within a few dB, to understand the basic specifications and performance of a given receiver without test equipment or that nifty HP signal generator!

GL and 72,  
Paul NA5N

-----  
Date: Thu, 05 Apr 2001 12:58:56 -0500  
From: Rick Weber <weber@accenttech.com>  
To: qrp-1@Lehigh.EDU  
Subject: [95730] Devil's Tower  
Message-ID: <3ACCB229.1624221@accenttech.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"  
Content-Transfer-Encoding: 7bit

Have any of you QRPers out there operated from the summit of Devil's Tower, WY? I'm looking for advice on how to pull this off.

My wife and I will be climbing the Tower in late May. I hadn't even thought about taking my rig up there until a ham friend asked if I was going to do so. The idea is intriguing, but presents some challenges.

First off, the ONLY way to the top (867 feet) is a near vertical "big wall" climb rated at least 5.7. The routes we are looking at take about

8 hours of technical free climbing to reach the top. Out on the trails, I normally throw my ham gear in a back pack, but this type of climbing can't be done with a back pack. Secondly, the Tower has long vertical flutes that can channel any falling object onto a climber below, so haul bags are strongly discouraged. That leaves the gear loops on my harness as the only place to hook a package of ham equipment. And, that means very small and light!

The rig I would like to use is my trusty old DSW 20 with a Paddlette, filmcan tuner, and doublet antenna. Not much weight there. But, what is the best battery to use? It's got to be very light, of course. The DSW has low current draw on receive, and it only puts out two Watts. It shouldn't take much for an hour of operating.

Any suggestions for a power supply? Any advice from those who've taken a rig up the Tower?

I'll post a time and frequency later, if anyone cares to answer my calls.

Rick Weber W9QZ

-----  
Date: Thu, 5 Apr 2001 11:09:10 -0700 (PDT)  
From: "Robert P. Okas" <vintage@best.com>  
To: "Paul Harden, NA5N" <na5n@rt66.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [95731] Re: Simple IP3/MDS stuff  
Message-ID: <Pine.BSF.4.21.0104051100560.22993-100000@shell114.ba.best.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Paul, as usual, provided a clear and concise description of receiver performance specs. I would like to offer the clarification that the AGC should be disabled when looking for the 1 dB compression point.

Why? At some point in ramping up the input signal, the AGC starts limiting the RF/IF gain and the audio output level won't follow the input level. It is common to observe a 1dB change in audio level when the input is varied, say 10 dB and the receiver is still operating in its linear region. This is simply agc protecting your ears.

73,  
Bob - W3CD

-----  
Date: Thu, 5 Apr 2001 12:26:09 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: <qrp-1@lehigh.edu>  
Subject: [95732] HF DEAD!  
Message-ID: <Pine.LNX.4.31.0104051224110.1170-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

What happend to my ts-50. The receiver is dead. I can't hear WWV on 5, 10, 15 or 20 MHZ! Must be the sunspot maximum. You can work the world... someday.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Thu, 5 Apr 2001 11:27:23 -0700  
From: <schoon@amgt.com>  
To: <qrp-1@Lehigh.EDU>, <nally@talstar.com>  
Subject: [95733] RE: Antennas, trees, and mating the two...  
Message-ID: <c=US%a=\_%p=American\_Geotech%l=AG-CALCITE-BDC-010405182723Z-420@ag-basalt-pxy.amgt.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

John,

I use the slingshot method with a cheap Zebco 202 fishing reel and have had good luck. Made it myself and it'll work to 100' or better. IMHO, it's much safer than an arrow! The drawbacks is that it doesn't work very well when it's breezy out.... It does take some practice to learn how to aim the thing.... Oh, if you could underhand throw a hammer above 100', you should be playing pro baseball!! :)

HTH & 72,

.mark

>-----

>From: John Nall[SMTP:nally@talstar.com]  
>Sent: Thursday, April 05, 2001 12:38 PM  
>To: Low Power Amateur Radio Discussion  
>Subject: Antennas, trees, and mating the two...  
>  
>Hi Gang:  
>  
>In order to replace the old reliable dipole with a better antenna, I need to  
>put a line over a limb of a tall pine, and wonder if someone might offer  
>wisdom on the best way to do it. Climbing is out -- I'm too old :-( We're  
>talking about 100 feet or thereabouts from the ground.  
>  
>Various ways I have thought of are: (a) slingshot, (b) bow-n-arrow, (c)  
>casting rod, (d) underhand throw of a hammer. More exotic thoughts (during  
>the middle of the night) include a potato gun, some sort of mechanism like  
>they used to use to throw stones (and heads) into castles during the middle  
>ages during sieges, and a kite.  
>  
>As you can plainly see, I need some advice from someone with experience, and  
>am humbly soliciting same.  
>  
>Yr. Obt. Svt., John AF4WM  
>  
>  
>

-----  
  
Date: Thu, 5 Apr 2001 12:33:54 -0600 (MDT)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: "Robert P. Okas" <vintage@best.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [95734] Re: Simple IP3/MDS stuff  
Message-ID: <Pine.SUN.4.10.10104051220140.7196-100000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 5 Apr 2001, Robert P. Okas wrote:  
> Paul, as usual, provided a clear and concise description of receiver  
> performance specs. I would like to offer the clarification that the AGC  
> should be disabled when looking for the 1 dB compression point.

A very good point several have brought to my attention already! The point of the post was not a step-by-step procedure on how to perform these receiver tests, but rather how these parameters ARE determined, and how you can quickly determine them from the published specs and a

little subtraction (for those of you who don't have that nifty HP signal generator -hi).

When performing such lab tests, the AGC should always be disabled, as Bob stated. An interesting point about AGC, is other than making listening a bit easier by not blowing out your ears on strong signals, is how AGC, in reality, actually extends the useful dynamic range of the receiver by keeping strong input signals ahead of the mixer BELOW the 1dB compression point.

Nice to know so many of you are paying attention :-). And sorry I glossed over the AGC aspect. Time permitting, I will try to write a more accurate step-by-step procedure for those who do wish to do these tests yourself. (But it won't be today!).

72, Paul NA5N

-----  
Date: Thu, 05 Apr 2001 14:35:02 -0400  
From: "Mark J. Dulcey" <mark@buttery.org>  
To: weber@accenttech.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [95735] Re: Devil's Tower  
Message-ID: <3ACCBAD6.5BCBF73C@buttery.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Rick Weber wrote:

>  
> The rig I would like to use is my trusty old DSW 20 with a Paddlette,  
> filmcan tuner, and doublet antenna. Not much weight there. But, what is  
> the best battery to use? It's got to be very light, of course. The DSW  
> has low current draw on receive, and it only puts out two Watts. It  
> shouldn't take much for an hour of operating.

You'll need perhaps half an amp hour for your hour of operation... a pack built out of AAA NiMH cells would do. You can cobble one together yourself (either by using a battery holder, or by using solder-tab cells), or you might be able to find something suitable meant as an HT battery pack, giving you all the cells as one convenient pocketable brick. (You'd probably have to solder wires onto it to hook it up to your rig, possibly destroying it for HT use, though.) For that matter, plain old AAA alkaline cells would do the job - once.

An even higher-tech option, should you happen to own an appropriate piece of gear, would be a lithium-ion battery; that would be even lighter than the NiMH. But I don't know of any that come in the right capacity and voltage; the ones from laptop computers would be much larger than you need (my Dell, for instance, has a pair of lovely 10.8V 4800mAh packs; they'd be great for powering my soon-to-arrive K2 for a weekend, but would be overkill for your application - and I don't know if the DSW will run on 10.8V anyhow), and the HTs and cell phones with LiIon packs are lower voltage than you're looking for. LiIon chargers aren't common as standalone items, but you can buy chips for building them (like the National Semiconductor LM3420 and LM3620).

-----  
Date: Thu, 5 Apr 2001 12:44:24 -0600 (MDT)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: qrp-canada@lists.gpfn.sk.ca, qrp-l@lehigh.edu  
Subject: [95736] HF Blackout in effect  
Message-ID: <Pine.SUN.4.10.10104051234280.7196-1000000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,  
There is a virtual HF blackout in effect below about 20MHz.

Normally, an HF blackout is due to an extreme geomagnetic storm. In this case, we've had 3 M-class flares today, the largest an M8 from a region nearly central to the sun. This dumped a bunch of ionizing radiation into our ionosphere, reaching down to the D-layer. Plus, we're still being bombarded by energetic protons >10MeV, also adding to the normal level of ionization.

(Today's M8 will probably cause geomagnetic storming late saturday when the shockwave arrives).

Truth is ... this is good, in that our E and F layers are highly ionized, that is, highly reflective. But, it's also ionizing the D-layer heavily. The D-layer is the absorption layer, so the more it is ionized, the more absorption it offers to HF signals. And right now, it is absorbing over 30dB of your signal strength below 5MHz and lesser amounts all the way up to 20MHz right now. So your signals and those of others are simply being gobbled up by the D-layer below 20MHz. This condition will subside later in the day, and by local sundown for sure.

For those wanting to see this HUGE amount of D-layer absorption, goto: <http://www.sec.noaa.gov/SWN> and click on "D-Layer Absorption."



Have you tried 10M? With the solar flux still above 200 and the D-layer absorption not extending that high, 10M should be open, favoring east-west paths (since the polar regions are saturated with protons and higher absorption "up north.")

72, Paul NA5N

-----  
Date: Thu, 5 Apr 2001 12:25:05 -0600  
From: "Karl B. Staddon" <ve6kbs@agt.net>  
To: <weber@accenttech.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [95737] Re: Devil's Tower  
Message-ID: <000301c0be07\$eafbe880\$b8983b8e@Staddon.ab.hsia.telus.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Rick, I'd think about using an Outdoor Research padded cylindrical pouch with the zipper around the top (the type used to keep a 1 Litre Nalgene bottle hot or cold) - put some Ensolite foam inside the Outdoor Research pouch to further protect the gear and then biner the pouch onto the rear of your climbing harness.

Sounds like a fun climb (I climb as well). As they say in climbing "No pain, no pain".

Cheers

Karl B. Staddon  
VE6KBS CALGARY, AB

----- Original Message -----

From: "Rick Weber" <weber@accenttech.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, April 05, 2001 11:58 AM  
Subject: Devil's Tower

> Have any of you QRPers out there operated from the summit of Devil's  
> Tower, WY? I'm looking for advice on how to pull this off.  
>  
> My wife and I will be climbing the Tower in late May. I hadn't even  
> thought about taking my rig up there until a ham friend asked if I was  
> going to do so. The idea is intriguing, but presents some challenges.  
>

> First off, the ONLY way to the top (867 feet) is a near vertical "big  
> wall" climb rated at least 5.7. The routes we are looking at take about  
> 8 hours of technical free climbing to reach the top. Out on the trails,  
> I normally throw my ham gear in a back pack, but this type of climbing  
> can't be done with a back pack. Secondly, the Tower has long vertical  
> flutes that can channel any falling object onto a climber below, so haul  
> bags are strongly discouraged. That leaves the gear loops on my harness  
> as the only place to hook a package of ham equipment. And, that means  
> very small and light!  
>  
> The rig I would like to use is my trusty old DSW 20 with a Paddlette,  
> filmcan tuner, and doublet antenna. Not much weight there. But, what is  
> the best battery to use? It's got to be very light, of course. The DSW  
> has low current draw on receive, and it only puts out two Watts. It  
> shouldn't take much for an hour of operating.  
>  
> Any suggestions for a power supply? Any advice from those who've taken a  
> rig up the Tower?  
>  
> I'll post a time and frequency later, if anyone cares to answer my  
> calls.  
>  
> Rick Weber W9QZ  
>  
>  
>

-----  
Date: Thu, 05 Apr 2001 14:40:23 -0500  
From: David Heintzleman <pstrdave@kdsi.net>  
To: qrp-l@Lehigh.EDU  
Subject: [95738] russian request  
Message-ID: <3ACCCA27.C69D0B92@kdsi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi, I received (why I do not know) a direct email from RV3ATS, addressed  
"Dear colleagues" requesting donation of old equipment to replace what  
was lost in a fire in January.  
Did anyone else get this, is it on up and up?

Dave Heintzleman K8BBM  
-----

Date: Thu, 5 Apr 2001 15:45:53 -0400  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.edu>  
Subject: [95739] ARRL Web Page QRP Article  
Message-ID: <125490A005E3D3118C9C00805FC743CC01C16D5F@KAHLESS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

<http://www.arrl.org/news/stories/2001/04/05/2/?nc=1>

73,  
Ed Hare, W1RFI  
ARRL Laboratory

-----  
Date: Thu, 5 Apr 2001 15:41:35 -0400  
From: tailfeathers@juno.com  
To: weber@accenttech.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [95740] Re: Devil's Tower  
Message-ID: <20010405.154742.-197657.1.tailfeathers@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

You aren't tearing the shrubs up and throwing them through the kitchen window are you? :>)

Gary

On Thu, 05 Apr 2001 12:58:56 -0500 Rick Weber <weber@accenttech.com> writes:  
> Have any of you QRPers out there operated from the summit of Devil's  
> Tower, WY? I'm looking for advice on how to pull this off.  
>  
> My wife and I will be climbing the Tower in late May. I hadn't even  
> thought about taking my rig up there until a ham friend asked if I  
> was  
> going to do so. The idea is intriguing, but presents some  
> challenges.  
>  
> First off, the ONLY way to the top (867 feet) is a near vertical  
> "big  
> wall" climb rated at least 5.7. The routes we are looking at take  
> about  
> 8 hours of technical free climbing to reach the top. Out on the

> trails,  
> I normally throw my ham gear in a back pack, but this type of  
> climbing  
> can't be done with a back pack. Secondly, the Tower has long  
> vertical  
> flutes that can channel any falling object onto a climber below, so  
> haul  
> bags are strongly discouraged. That leaves the gear loops on my  
> harness  
> as the only place to hook a package of ham equipment. And, that  
> means  
> very small and light!  
>  
> The rig I would like to use is my trusty old DSW 20 with a  
> Paddlette,  
> filmcan tuner, and doublet antenna. Not much weight there. But, what  
> is  
> the best battery to use? It's got to be very light, of course. The  
> DSW  
> has low current draw on receive, and it only puts out two Watts. It  
> shouldn't take much for an hour of operating.  
>  
> Any suggestions for a power supply? Any advice from those who've  
> taken a  
> rig up the Tower?  
>  
> I'll post a time and frequency later, if anyone cares to answer my  
> calls.  
>  
> Rick Weber W9QZ  
>  
>  
>  
>

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Date: Thu, 5 Apr 2001 15:56:09 -0400

From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [95741] RE: Simple IP3/MDS stuff

Message-ID: <078F21595FA7D411B87B00805FA728E64A4689@atlexc02ntms.hboc.com>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Very nicely done Paul!

Jerry  
W3CDE

-----Original Message-----

From: Paul Harden, NA5N [mailto:na5n@rt66.com]  
Sent: Thursday, April 05, 2001 1:20 PM  
To: Low Power Amateur Radio Discussion  
Subject: Simple IP3/MDS stuff

Gang,

Below is a basic description of MDS, dynamic range, IP3, etc. Following that is a very SIMPLE method of calculating (with mere subtraction) these parameters given only dynamic range and IP3 numbers.

-----  
Assume you have a nifty HP signal generator connected to your transceiver "under test." Put the output at some arbitrary level, say -90dBm, and find the signal on your receiver. Now begin decreasing the output of the nifty HP generator until you reach the point that you can no longer hear the signal. Say this happens at -120dBm. You increase this output by 1-2dB, and you hear the signal, decrease by 1-2dB and you don't.

THIS IS YOUR "MINIMUM DISCERNABLE SIGNAL" STRENGTH, OR MDS.  
In this case, your MDS=-120dBm.

Put anGL and 72,  
Paul NA5N

-----  
Date: Thu, 05 Apr 2001 13:09:06 -0700  
From: Russ Carpenter <russ@natworld.com>  
To: QRP-L List <qrp-l@lehigh.edu>  
Subject: [95742] Announcing the 2001 FLIGHT OF THE BUMBLEBEES  
Message-ID: <B6F21DC0.6FD6%russ@natworld.com>  
Mime-version: 1.0  
Content-type: text/plain; charset="ISO-8859-1"

Content-transfer-encoding: quoted-printable

The Adventure Radio Society is pleased to announce the Third Annual Flight of the Bumblebees. This event has been a wonderful experience for hundreds of participants, and we eagerly look to this year's edition. The Flight will take place on July 29, 2001 (the standard date the last Sunday of July).

To join the list of Bumblebees, send Russ Carpenter, AA7QU, an email expressing your wish to serve your country as a Bee. (russ@natworld.com) As always, we are holding a lottery for the first 25 Bees to sign up. This year, as last, we will be giving away two subscriptions to Backpacker Magazine.

There is a slight change to the rules this year. Our experience has shown that almost all participants in ARS events file their logs on our Autologs. So, no more paper logs for the Flight of the Bumblebees.

Here are the rules.

\*\*\*\*

This is a four hour event during the last Sunday of July, running from 10:00 PDT/11:00 MDT/12:00 CDT/1:00 EDT to 2:00 PDT/3:00 MDT/4:00 CDT/5:00 EDT. Thus, the hours of operation accommodate all four time zones. No matter where you live, there is time to for the Bumblebees to travel to their sites, set up their stations, operate the contest, and travel back to their cars.

Both home-based and portable operations are encouraged. Participants who want to operate in the Bumblebee category apply to Adventure Radio Society for Bumblebee status. ARS assigns each Bumblebee a Bee number. Bumblebees agree to walk, bike or boat to their sites. The distance traveled to the site is at the Bumblebee's discretion. Bumblebees add "/BB" to their calls.

Group operation is welcome in the Flight of the Bumblebees. You may operate under a single call and report a single score, or under multiple calls and report multiple scores. In any event, you are limited to operating a single transmitter at a time.

Maximum power is five watts. We operate CW on 40, 20, 15 and 10 meters, on the standard QRP frequencies. We want this to be a national contest, so we encourage long-range contacts by giving double points for 20, 15 and 10 meters. 40 meter contacts will receive one point. The same station can be worked on different bands for additional QSO points and multipliers.

If you are a Bumblebee, your exchange is RST, state/province/country, and your Bumblebee number. If you are homebased, your exchange is RST,

state/province/country, and your power.

Contacts with Bumblebees generate a 3X multiplier. So your score equals QSO points times (number of Bumblebees times three). Here is an example. If you make 20 contacts on 40 meters and 30 contacts on the higher bands, and make a total of 25 Bumblebee contacts, your score is  $(20+60) \times (25 \times 3)$ , or 6,000.

Separate but equal commendations are awarded to the high scores for the homebased and Bumblebee participants. We will also commend Bumblebees in the following new categories:

Most interesting equipment,

Most outrageous venture, and

Most beautiful site.

Participants are strongly encouraged to use our automated contest reporting system, which is found in the ARS Sojourner. Participants may submit paper logs, with a two week deadline. Results are posted during the third week of August in The ARS Sojourner, the QRP-L Internet Group, and by direct email to ARS members.

You are encouraged to submit stories and photographs of your Bumblebee adventure for publication in The ARS Sojourner. See Advice for Contributors=.

Russ Carpenter, AA7QU, is the Contest Manager. You can reach him at russ@natworld.com

-----  
Date: Thu, 05 Apr 2001 13:09:06 -0700  
From: Russ Carpenter <russ@natworld.com>  
To: QRP-L List <qrp-l@lehigh.edu>  
Subject: [95743] Results of the APRIL SPARTAN SPRINT  
Message-ID: <B6F21DFA.6FD7%russ@natworld.com>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

The Spartan Sprinters confronted the perfect solar storm and delivered a lively, successful sprint. Conditions were weird at times, but weird is one of the things that makes Spartan Sprinting so rewarding.

Each contract received one point. If you didn't tell us the weight of your station, or if your station weighed more than the creature of the black

lagoon, we assigned a weight of 30 pounds.

The soapbox was published separately in the April issue of The ARS Sojourner, which went live today. Don't miss it! <http://www.natworld.com/ars>

THE SKINNY DIVISION (results sorted in order of points per pound)

| Call   | Name    | 80m | 40m | 20m | 15m | 10m | Total<br>Points | Wt.  | Points/<br>Pound |
|--------|---------|-----|-----|-----|-----|-----|-----------------|------|------------------|
| N7RVD  | Brian   | 0   | 0   | 18  | 0   | 0   | 18              | 0.22 | 81.82            |
| K0EVZ  | Doc     | 0   | 5   | 56  | 0   | 0   | 61              | 1.4  | 43.57            |
| K4FB   | Paul    | 0   | 0   | 43  | 0   | 0   | 43              | 1.9  | 22.63            |
| KC4TXR | John    | 0   | 0   | 17  | 0   | 0   | 17              | 0.8  | 21.25            |
| N7SR   | Steve   | 0   | 7   | 27  | 0   | 0   | 34              | 1.7  | 20.00            |
| N3AO   | Carter  | 0   | 18  | 30  | 0   | 0   | 48              | 3    | 16.00            |
| AE6N   | Jim     | 0   | 7   | 24  | 0   | 0   | 31              | 2    | 15.50            |
| K7TQ   | Randy   | 0   | 9   | 17  | 0   | 0   | 26              | 1.86 | 13.98            |
| N7CEE  | Bruce   | 0   | 7   | 17  | 0   | 0   | 24              | 2.2  | 10.91            |
| K5HWT  | Morg    | 0   | 0   | 10  | 0   | 0   | 10              | 1.4  | 7.14             |
| K1TS   | Marc    | 0   | 3   | 10  | 0   | 0   | 13              | 2    | 6.50             |
| W1PID  | Jim     | 0   | 5   | 11  | 0   | 0   | 16              | 2.5  | 6.40             |
| N0RC   | Rod     | 0   | 5   | 41  | 0   | 0   | 46              | 8    | 5.75             |
| K0BFT  | Jim     | 0   | 0   | 21  | 0   | 0   | 21              | 4    | 5.25             |
| WB6HQB | Bart    | 0   | 5   | 15  | 0   | 0   | 20              | 4    | 5.00             |
| K04WX  | Mike    | 0   | 5   | 5   | 0   | 0   | 10              | 2    | 5.00             |
| K7PX   | Steve   | 0   | 1   | 19  | 0   | 0   | 20              | 4    | 5.00             |
| AF4PS  | Mac     | 0   | 5   | 32  | 0   | 0   | 37              | 8    | 4.63             |
| KS4L   | Randy   | 0   | 16  | 0   | 0   | 0   | 16              | 4    | 4.00             |
| W4NJK  | Charlie | 0   | 2   | 6   | 0   | 0   | 8               | 2    | 4.00             |
| K7QF   | Brian   | 0   | 4   | 28  | 0   | 0   | 32              | 9    | 3.56             |
| AD6JY  | Dan     | 0   | 3   | 4   | 0   | 0   | 7               | 2    | 3.50             |
| AE4GX  | Sam     | 0   | 1   | 9   | 0   | 0   | 10              | 3    | 3.33             |
| KB9LCK | Chris   | 0   | 0   | 12  | 0   | 0   | 12              | 4    | 3.00             |
| AA7QU  | Russ    | 0   | 0   | 15  | 0   | 0   | 15              | 5.5  | 2.73             |
| N7LT   | Lyndel  | 0   | 4   | 50  | 0   | 0   | 54              | 20   | 2.70             |
| N0IBT  | Dave    | 0   | 0   | 12  | 0   | 0   | 12              | 4.5  | 2.67             |
| WA9TZE | Jim     | 10  | 58  | 0   | 0   | 0   | 68              | 30   | 2.27             |
| KC8LTL | Kenneth | 0   | 2   | 9   | 0   | 0   | 11              | 5    | 2.20             |
| WB5KHC | Tom     | 0   | 6   | 6   | 0   | 0   | 12              | 5.6  | 2.14             |
| W0PWE  | Jerry   | 0   | 19  | 41  | 0   | 0   | 60              | 30   | 2.00             |
| KI0II  | Ron     | 0   | 2   | 10  | 0   | 0   | 12              | 6.1  | 1.97             |
| K7RE   | Brian   | 0   | 13  | 37  | 5   | 0   | 55              | 30   | 1.83             |
| NC90   | Skip    | 0   | 5   | 5   | 0   | 0   | 10              | 6    | 1.67             |
| K4MF   | Gary    | 0   | 5   | 31  | 2   | 0   | 38              | 23.2 | 1.64             |
| KW4JS  | John    | 0   | 3   | 9   | 0   | 0   | 12              | 8    | 1.50             |
| K3NLT  | Russell | 0   | 0   | 12  | 0   | 0   | 12              | 9    | 1.33             |
| KH6B   | Dean    | 0   | 0   | 4   | 1   | 1   | 6               | 4.5  | 1.33             |



|        |        |   |    |    |   |   |    |     |      |
|--------|--------|---|----|----|---|---|----|-----|------|
| K3TW   | Thomas | 0 | 0  | 6  | 0 | 0 | 6  | 5   | 1.20 |
| N0MCX  | Tom    | 0 | 0  | 14 | 0 | 0 | 14 | 12  | 1.17 |
| N7AC   | Tom    | 0 | 10 | 24 | 0 | 0 | 34 | 30  | 1.13 |
| KA9EWN | Rockne | 0 | 2  | 8  | 0 | 0 | 10 | 9.9 | 1.01 |
| KD5LX  | Bob    | 0 | 1  | 6  | 0 | 0 | 7  | 9.6 | 0.73 |
| W9FNB  | Gary   | 0 | 0  | 10 | 0 | 0 | 10 | 14  | 0.71 |
| K8KFJ  | Garie  | 0 | 5  | 13 | 0 | 0 | 18 | 30  | 0.60 |
| K6PZB  | John   | 0 | 1  | 10 | 2 | 0 | 13 | 30  | 0.43 |
| N5XH   | Jim    | 0 | 0  | 3  | 0 | 0 | 3  | 7   | 0.43 |
| VE3XT  | Bill   | 0 | 12 | 0  | 0 | 0 | 12 | 30  | 0.40 |
| AL7FS  | Jim    | 0 | 0  | 5  | 4 | 0 | 9  | 30  | 0.30 |
| K4JPN  | Steve  | 0 | 0  | 6  | 0 | 0 | 6  | 20  | 0.30 |
| AL7OK  | John   | 0 | 0  | 5  | 3 | 0 | 8  | 30  | 0.27 |
| WF6D   | Bill   | 0 | 5  | 3  | 0 | 0 | 8  | 30  | 0.27 |
| WD3P   | Larry  | 0 | 5  | 0  | 0 | 0 | 5  | 30  | 0.17 |
| N5JKY  | Mike   | 0 | 1  | 3  | 0 | 0 | 4  | 30  | 0.13 |
| N50BC  | Mark   | 0 | 2  | 0  | 0 | 0 | 2  | 30  | 0.07 |

THE TUBBY DIVISION (results sorted in order of points)

| Call   | Name   | 80m | 40m | 20m | 15m | 10m | Total<br>Points |
|--------|--------|-----|-----|-----|-----|-----|-----------------|
| WA9TZE | Jim    | 10  | 58  | 0   | 0   | 0   | 68              |
| K0EVZ  | Doc    | 0   | 5   | 56  | 0   | 0   | 61              |
| W0PWE  | Jerry  | 0   | 19  | 41  | 0   | 0   | 60              |
| K7RE   | Brian  | 0   | 13  | 37  | 5   | 0   | 55              |
| N7LT   | Lyndel | 0   | 4   | 50  | 0   | 0   | 54              |
| N3AO   | Carter | 0   | 18  | 30  | 0   | 0   | 48              |
| N0RC   | Rod    | 0   | 5   | 41  | 0   | 0   | 46              |
| K4FB   | Paul   | 0   | 0   | 43  | 0   | 0   | 43              |
| K4MF   | Gary   | 0   | 5   | 31  | 2   | 0   | 38              |
| AF4PS  | Mac    | 0   | 5   | 32  | 0   | 0   | 37              |
| N7AC   | Tom    | 0   | 10  | 24  | 0   | 0   | 34              |
| N7SR   | Steve  | 0   | 7   | 27  | 0   | 0   | 34              |
| K7QF   | Brian  | 0   | 4   | 28  | 0   | 0   | 32              |
| AE6N   | Jim    | 0   | 7   | 24  | 0   | 0   | 31              |
| K7TQ   | Randy  | 0   | 9   | 17  | 0   | 0   | 26              |
| N7CEE  | Bruce  | 0   | 7   | 17  | 0   | 0   | 24              |
| K0BFT  | Jim    | 0   | 0   | 21  | 0   | 0   | 21              |
| WB6HQK | Bart   | 0   | 5   | 15  | 0   | 0   | 20              |
| K7PX   | Steve  | 0   | 1   | 19  | 0   | 0   | 20              |
| K8KFJ  | Garie  | 0   | 5   | 13  | 0   | 0   | 18              |
| N7RVD  | Brian  | 0   | 0   | 18  | 0   | 0   | 18              |
| KC4TXR | John   | 0   | 0   | 17  | 0   | 0   | 17              |
| W1PID  | Jim    | 0   | 5   | 11  | 0   | 0   | 16              |
| KS4L   | Randy  | 0   | 16  | 0   | 0   | 0   | 16              |
| AA7QU  | Russ   | 0   | 0   | 15  | 0   | 0   | 15              |

|        |         |   |    |    |   |   |    |
|--------|---------|---|----|----|---|---|----|
| N0MCX  | Tom     | 0 | 0  | 14 | 0 | 0 | 14 |
| K6PZB  | John    | 0 | 1  | 10 | 2 | 0 | 13 |
| K1TS   | Marc    | 0 | 3  | 10 | 0 | 0 | 13 |
| KW4JS  | John    | 0 | 3  | 9  | 0 | 0 | 12 |
| VE3XT  | Bill    | 0 | 12 | 0  | 0 | 0 | 12 |
| N0IBT  | Dave    | 0 | 0  | 12 | 0 | 0 | 12 |
| WB5KHC | Tom     | 0 | 6  | 6  | 0 | 0 | 12 |
| K3NLT  | Russell | 0 | 0  | 12 | 0 | 0 | 12 |
| KI0II  | Ron     | 0 | 2  | 10 | 0 | 0 | 12 |
| KB9LCK | Chris   | 0 | 0  | 12 | 0 | 0 | 12 |
| KC8LTL | Kenneth | 0 | 2  | 9  | 0 | 0 | 11 |
| AE4GX  | Sam     | 0 | 1  | 9  | 0 | 0 | 10 |
| NC90   | Skip    | 0 | 5  | 5  | 0 | 0 | 10 |
| K5HWT  | Morg    | 0 | 0  | 10 | 0 | 0 | 10 |
| K04WX  | Mike    | 0 | 5  | 5  | 0 | 0 | 10 |
| W9FNB  | Gary    | 0 | 0  | 10 | 0 | 0 | 10 |
| KA9EWN | Rockne  | 0 | 2  | 8  | 0 | 0 | 10 |
| AL7FS  | Jim     | 0 | 0  | 5  | 4 | 0 | 9  |
| AL70K  | John    | 0 | 0  | 5  | 3 | 0 | 8  |
| WF6D   | Bill    | 0 | 5  | 3  | 0 | 0 | 8  |
| W4NJK  | Charlie | 0 | 2  | 6  | 0 | 0 | 8  |
| AD6JY  | Dan     | 0 | 3  | 4  | 0 | 0 | 7  |
| KD5LX  | Bob     | 0 | 1  | 6  | 0 | 0 | 7  |
| KH6B   | Dean    | 0 | 0  | 4  | 1 | 1 | 6  |
| K4JPN  | Steve   | 0 | 0  | 6  | 0 | 0 | 6  |
| K3TW   | Thomas  | 0 | 0  | 6  | 0 | 0 | 6  |
| WD3P   | Larry   | 0 | 5  | 0  | 0 | 0 | 5  |
| N5JKY  | Mike    | 0 | 1  | 3  | 0 | 0 | 4  |
| N5XH   | Jim     | 0 | 0  | 3  | 0 | 0 | 3  |
| N50BC  | Mark    | 0 | 2  | 0  | 0 | 0 | 2  |

\*\*\*\*

Thanks for supporting The Adventure Radio Society!

Russ Carpenter, AA7QU  
Contest Manager

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Date: Thu, 05 Apr 2001 16:12:33 -0400  
 From: Pete Burbank <plburbank@kih.net>  
 To: schoon@amgt.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
 Subject: [95744] RE: Antennas, trees, and mating the two...  
 Message-ID: <5.0.2.1.0.20010405154922.00a79650@KIH.net>  
 Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:27 AM 4/5/2001 -0700, schoon@amgt.com wrote:

>John,

>

> I use the slingshot method with a cheap Zebco 202 fishing reel

> and have

>had good luck. Made it myself and it'll work to 100' or better. IMHO,

>it's much safer than an arrow! The drawbacks is that it doesn't work

>very well when it's breezy out..(snip)

Mark et al

You don't use a metal tipped arrow. You remove the metal tip and push on a rubber

squeeze bulb about the size used on some solder suckers. This slows the arrow down a LOT, provides weight for dropping down through the branches and absorbs impact.

Of course the usual safety considerations apply and a person should practice in a farm lot on similar to get some feel for the range and arch. I have had good luck with

fishing reels too and the next time I'm in an archery shop I intend to look at the reels

for rough fishing that fit on the bow.

There is probably a lot of info in the archives as this discussion comes up periodically.

73 Pete NV4V

-----  
Date: Thu, 05 Apr 2001 12:31:26 -0800

From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>

To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>

Subject: [95745] Poor Sad 15 meters Re: Results of the APRIL SPARTAN SPRINT

Message-ID: <3ACCD61E.5B613C05@pobox.alaska.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Greetings from Alaska,

Something tells me that most operators are NOT moving up to 15 meters or higher. I only had four QSOs on 15 and that was the second highest count. K7RE has been waging a campaign to encourage everyone to give 15 meters and higher a chance...I would like to do the same.

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska  
(BP51cc) - 61.101 North, 149.824 West  
<http://www.qsl.net/al7fs/>

-----  
Date: Thu, 5 Apr 2001 14:29:34 -0600  
From: jaywa5whn@juno.com  
To: qrp-1@lehigh.edu  
Subject: [95746] Ft. Tuthill 2001 (3 miles south of Flagstaff, AZ)  
Message-ID: <20010405.142939.-986445.0.jaywa5whn@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

For those of you who reside in the sweltering heat {100+ deg. F} & are out of AC power during the month of July, I have a suggestion;

<http://www.phx-az.com/ARCA/images/01flyer.pdf>

With over 7,000+ bargain hunting, component chasing, DF looping & suffering from no AC power heat stroke induced madness Nerds , there maybe a few qrp surprises for you. The AZ scQRPions do a QRO job every year for this event.

If you are planning on attending the AZ ARRL State Convention at Ft. Tuthill and need a Motel/Hotel room, now is the time to make reservations. Don't confuse this with the QRP Campground reservations. If you plan on staying at a Motel/Hotel in Flagstaff, you should make your reservations now for this event, because thousands of Nerds will be coming by automobile, motorcycle, planes & trains for this event.

C U all there...Jay, WA5WHN DM65qd Albuquerque, NM USA

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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 05 Apr 2001 15:43:11 -0500

From: <bpwebb@mastnet.net>  
To: <qrp-1@lehigh.edu>  
Subject: [95747] QRP FOR SALE  
Message-ID: <986503391.3accd8df463d2@webmail.qaccess.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Gentlemen,

I have the following items for sale.

1. Ramsey QRP-40 transmitter with built-in TiCK I keyer, case and knobs;  
Ramsey QRP-20 transmitter with built-in TiCK I keyer, case and knobs;  
Ramsey HR20 Mini receiver with case and knobs. All work great. Got  
my start in QRP with these little rigs. \$75 for all three, I ship.
2. Ramsey CW-7 CMOS keyer kit still in bag with case and knob kit still  
in bag. \$25 and I ship.

Please reply off line. Thanks.  
Paul, K5HKX

-----  
Date: Thu, 5 Apr 2001 16:52:12 EDT  
From: MITCHELLRI@aol.com  
To: qrp-1@lehigh.edu  
Subject: [95748] Looking for QRP AMP  
Message-ID: <51.9d02bed.27fe34fc@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I am looking for a kit for a qrp amp that will take a Pixie II or TT-2  
x-mitter or Ramsey 20 mtr rig and transform them into a powerhouse, the envy  
of 20 & 40 meters. The goal is to get up to 5 watts, max, so I can still use  
batteries. Any help is appreciated, either here, or at mitchellri@aol.com or  
WA1GJF@arrl.

Thanks in advance.

Leeds Mitchell

-----  
Date: Thu, 05 Apr 2001 13:01:18 -0800  
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>

To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>  
Subject: [95749] AL7FS to operate at KL7Y Monster Station April 7, Saturday  
Message-ID: <3ACCDD1E.3CFF1D06@pobox.alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

I have been receiving an increasing number of requests for Alaska QRP contacts and as such, have arranged with KL7Y to operate his station this Saturday. I am going to gather up the email addresses of those that have written and try to send them a personal note letting them know I will be on.

With a bit of luck (that means propagation holds), I hope to work quite a few stations. I don't expect to get into ragchew QSOs unless it really is slow. Operation will be in the QRP sections of the bands and I will try to get down to 30 meters, also. If I am there late enough, I will also listen for 40 meters. I suspect the 3 elements on forty meters at 160 feet should get out if there is any path at all.

Operating hours will be approximately 1800Z to maybe as late as 0400Z. I could be as early as 1700Z and as late as 0415Z. I will have to leave shortly after that (0400Z) to get home in time to pick up my son, Andy (NL7QI), who is coming in from Japan. While operating, I will try to post to QRP-L what is going on and am sorry that won't work as well for those on digest mode.

I hope to go out again for the ARCI contest the next weekend on April 14th (not both days). This is predicated on Dan being in town as his work often takes him out to Bush Alaska.

See you Saturday?

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska  
(BP51cc) - 61.101 North, 149.824 West  
<http://www.qsl.net/al7fs/>

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Date: Thu, 05 Apr 2001 17:57:02 -0400  
From: John Wagner <john@neknetwork.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [95750] PIXIE: Broadcast interference  
Message-ID: <3ACCEA2E.66295AA@neknetwork.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi,

I've got my Manhattan style pixie working pretty well... what with the built in keyer and all it's pretty full-featured.

I've seen a number of variations of cures for the broadcast interference problem that the pixie suffers from.

Is there a "best" way to do it? I'd like to hear from folks who have cured their pixie woes and what worked best for them. Thanks es 73,

John, KB1ENS

--

John Wagner - john@neknetwork.com  
Web page: <http://www.neknetwork.com>

-----  
Date: Thu, 5 Apr 2001 18:09:57 EDT  
From: KB90CE@aol.com  
To: n2tpa@juno.com, qrp-1@lehigh.edu (Low Power Amateur Radio Discussion)  
Subject: [95751] Re: Cheap (free) batteries  
Message-ID: <7d.135ed209.27fe4735@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Don't forget to feed your HT with free batteries, too. They can be had by the bagfull at just about any I Hour Photo lab. They come out of dispoable cameras and my tester shows them as good as new.

73  
Mike

-----  
Date: Thu, 5 Apr 2001 18:01:30 -0400  
From: "Russ Hines" <radioruss@fuse.net>  
To: <paulc@mediaone.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [95752] Re: What is IP3 telling me?  
Message-ID: <006901c0be1d\$5cb0e600\$760e17d8@rbhines>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

It is. ;-)

73,  
Russ Hines  
WB8ZCC  
wb8zcc@one.net  
wb8zcc@arrl.net

----- Original Message -----=20  
From: Paul Christensen <paulc@mediaone.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Thursday, April 05, 2001 11:07 AM  
Subject: Re: What is IP3 telling me?

> I compute +21 dBm equaling 0.126 Watt, not 120 watts:  
>=20

-----  
Date: Thu, 5 Apr 2001 17:08:22 -0500  
From: "Tom K" <kkleiner@megsinet.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [95753] Re: Receiver measures in QST product reviews  
Message-ID: <200104052256.f35MuS149222@mail3.mx.voyager.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

> Hence also the reason the pre-amplifiers built into many of the  
commercial  
> VHF/UHF amplifiers are really a hindrance to good receiver performance  
and  
> are there just to increase the selling price (personal beef, sorry).

A beef of mine as well, Steve. I've yanked out many more pre-amps than  
I've ever installed.

Tom, N9HWC



-----  
Date: Thu, 5 Apr 2001 18:55:55 -0400  
From: "John Nally" <nally@talstar.com>  
To: "Somerville" <somerville@uniserve.com>  
Cc: <qrp-l@lehigh.edu>  
Subject: [95754] Re: Antennas, trees, and mating the two...  
Message-ID: <003001c0be23\$92da80a0\$0200a2c6@dellsystem>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Somerville" <somerville@uniserve.com>

> I have tried (a), (b), and (d). (a) Slingshot proved the best, but not  
> all  
> votes are in. The best results with a sling shot require a fairly hefty  
> weight; without flourescent paint the weight was impossible to see.

Thanks to all who responded. I have decided to go with the slingshot,  
although  
some have doubt it will do more than 60 feet. We shall see. My reason for  
this  
choice was that I have a spare zebco reel already, and have other reasons to  
want a slingshot (squirrels that need discouraging, but a .22 would bring  
the  
wrath of the law down on me).

Thanks also for the suggestion to try the archives -- I should have thought  
of that! (blush). And for the suggestion to use flourescent paint on the  
weight.  
I would not have thought of that.

John AF4WM

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End of QRP-L Digest 2150

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